

Bob The Builder



It's

Bob the Builder!

Can you knit him? Yes, you can
— with Alan Dart's great design!

Materials

Of Elle Tawny Family Favourites DK in 100 g balls: allow 30 g in each of Skin Tone (146) and Sunshine (157), 25 g in each of Citron Yellow (110), Gold (138) and Cloud Blue (103), 15 g in Orange (112), 5 g in Light Grey (111) and small amounts in Black (117) and Red (109). No. 11 (3 mm) knitting needles; a stitch holder; long tweezers; 90 g of washable toy stuffing; thick plastic drinking straw; two cotton buds; scrap of stout white card; clear adhesive; double-sided sticky tape (optional). Yarn costs about £1.09 per 100 g ball. For stockists, write to: Quadra (UK) Ltd, Tey Grove, Elm Lane, Feering, Essex CO5 9ES (01376 573802), e-mail: QuadraUK@aol.com, or visit www.knit1.co.uk

Tension and measurements

26 stitches and 36 rows, to 10 x 10 cm, measured over stocking stitch, using No. 11 (3 mm) needles. The toy will measure 33 cm/13 in.

Abbreviations

K, knit; **p**, purl; **st**, stitch; **tog**, together; **sl**, slip; **dec**, decrease (by taking 2 sts tog); **inc**, increase (by working twice into same st); **ss**, stocking st (k on right side and p on wrong side); **psso**, pass sl st over; **skpo**, (sl1, k1, psso); **yfb**, yarn to back; **ytf**, yarn to front.

Note

Begin all pieces worked in ss with a k row unless otherwise stated. Instructions in square brackets are worked as stated after 2nd bracket.

LEGS AND BODY

(make 1 piece)

Right leg: * With Cloud Blue, cast on 32 sts for base edge and k 2 rows.

Beginning with k row, ss 16 rows. **

Break yarn and sl sts on to a st holder.

Left leg: Work as given for right leg from * to **.

Body: Joining row: K30, skpo, across left leg sts, then k2tog, k30 across right leg sts — 62 sts. Mark each end of last row. P1 row.

1st inc row: [K1, inc, k27, inc] twice, k2 — 66 sts. P1 row.

2nd inc row: K6, [inc, k12] 4 times, inc, k7 — 71 sts. Ss 3 rows.

3rd inc row: K7, [inc, k13] 4 times, inc, k7 — 76 sts. Ss 7 rows.

Change to Sunshine for shirt and ss 2 rows.

1st dec row: K6, [k2tog, k5] to end — 66 sts. Ss 7 rows.

2nd dec row: K6, [k2tog, k4] to

end — 56 sts. Ss 3 rows.

Stranding yarn not in use loosely across wrong side of work, continue in check pattern thus:

1st row: K4 Orange, [3 Sunshine, 3 Orange] to last 4 sts, 4 Sunshine.

2nd row: P4 Sunshine, [3 Orange, 3 Sunshine] to last 4 sts, 4 Orange.

Repeat last 2 rows, once more.

Shape sides: 1st dec row: K4 Sunshine, 3 Orange, 3 Sunshine,

with Orange skpo, k1, k3 Sunshine, with Orange k1,

k2tog, [k3 Sunshine, 3 Orange] 3 times, with Sunshine skpo, k1,

k3 Orange, with Sunshine k1, k2tog, k3 Orange, 3 Sunshine,

4 Orange — 52 sts.

Work 3 rows with colours as set.

2nd dec row: K4 Orange, 3 Sunshine, 3 Orange, with Sunshine skpo, k3 Orange,

with Sunshine k2tog, [k3 Orange, 3 Sunshine] 3 times, with Orange skpo, k3 Sunshine, with Orange

k2tog, k3 Sunshine, 3 Orange, 4 Sunshine — 48 sts.

Work 3 rows with colours as set.

3rd dec row: K4 Sunshine, 3 Orange, with Sunshine k3,

skpo, k1, k2tog, k3, [k3 Orange, 3 Sunshine] twice, with Orange k3,

skpo, k1, k2tog, k3, k3 Sunshine, 4 Orange — 44 sts.

Work 1 row with colours as set.

4th dec row: K4 Sunshine, 3 Orange, with Sunshine k3, sl1,

k2tog, psso, k3, [k3 Orange, 3 Sunshine] twice, with Orange k3,

sl1, k2tog, psso, k3, k3 Sunshine, 4 Orange — 40 sts.

Work 1 row with colours as set.

Cast off for shoulder edge.

DUNGAREES BIB (make 1 piece)

With right side of work facing, using Cloud Blue and working

through each st, pick up and k 76 sts along last Cloud Blue

row of body piece.

Beginning with a p row, ss 9 rows.

Dec row: K6, [k2tog, k5] to end — 66 sts. Ss 7 rows.

Left shoulder strap: Next row: Cast off first 23 sts, k5 sts more,

turn and work these 6 sts only. Ss 27 rows. Cast off.

Right shoulder strap: Next row: With right side facing, rejoin Cloud

Blue to remaining 37 sts, cast off 8 sts for centre of bib, k5 sts more,

turn and work on these 6 sts only. Ss 27 rows. Cast off.

With right side facing, rejoin Cloud Blue to remaining 23 sts

and cast off.

BOOT UPPERS

(make 2 pieces)

With Citron Yellow, cast on 48 sts for base edge and k 3 rows, then

p 2 rows. Join in Gold and p 1 row.

Shape front: 1st row: K38, ytf, sl1, yfb, turn.

2nd row: Sl1, p28, yfb, sl1, ytf, turn.

3rd row: Sl1, k25, ytf, sl1, yfb, turn.

4th row: Sl1, p22, yfb, sl1, ytf, turn.

5th row: Sl1, k19, ytf, sl1, yfb, turn.

6th row: Sl1, p16, yfb, sl1, ytf, turn.

7th row: Sl1, k13, ytf, sl1, yfb, turn.

8th row: Sl1, p10, yfb, sl1, ytf, turn.

9th row: Sl1, k to end.

10th row: P across all sts — 48 sts.

1st dec row: K12, [skpo, k4, k2tog] 3 times, k12 — 42 sts. P 1 row.

2nd dec row: K12, [skpo, k2, k2tog] 3 times, k12 — 36 sts. P 1 row.

3rd dec row: K12, skpo, k2tog, k4, skpo, k2tog, k12 — 32 sts. P 1 row.

Cast off for ankle edge.

Knitted toy

BOOT SOLES

(make 2 pieces)

With Citron Yellow, cast on 7 sts for back edge and ss 2 rows.

Inc 1 st each end of next row — 9 sts. Ss 5 rows.

Inc 1 st each end of next row and following alternate row — 13 sts. Ss 7 rows.

Dec 1 st each end of next row and 2 following alternate rows — 7 sts. P 1 row. Cast off for front edge.

HEAD

(make 1 piece)

With Skin Tone, cast on 12 sts for base edge and ss 2 rows.

1st inc row: [Inc] to end — 24 sts. P 1 row.

2nd inc row: [Inc, k1] to end — 36 sts.

K 1 row to mark sewing line.

3rd inc row: K1, inc, [k2, inc] to last st, k1 — 48 sts. Ss 3 rows.

4th inc row: K1, inc, [k3, inc] to last 2 sts, k2 — 60 sts. Ss 3 rows.

5th inc row: K2, inc, [k4, inc] to last 2 sts, k2 — 72 sts. P 1 row.

Shape chin: 6th inc row: K34, [inc] 4 times, k34 — 76 sts. P1 row.

Shape sides of head: 7th inc row: K14, inc, k5, inc, k33, inc, k5,

inc, k15 — 80 sts. Ss 5 rows.

Shape front of face: 1st dec row: K34, skpo, k8, k2tog, k34 — 78 sts. P1 row.

2nd dec row: K34, skpo, k6, k2tog, k34 — 76 sts. P 1 row.

3rd dec row: K34, skpo, k4, k2tog, k34 — 74 sts. P 1 row.

4th dec row: K34, skpo, k2, k2tog, k34 — 72 sts. P 1 row.

5th dec row: K34, skpo, k2tog, k34 — 70 sts. Ss 9 rows.

Shape top of head: 6th dec row: K2, k2tog, [k3, k2tog] to last st, k1 — 56 sts. Ss 5 rows.

7th dec row: K1, k2tog, [k2, k2tog] to last st, k1 — 42 sts. Ss 3 rows.

8th dec row: [K1, k2tog] to end — 28 sts. P 1 row.

9th dec row: [K2tog] to end — 14 sts.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

sl1, ytb, turn.

2nd row: Sl1, p42, ytb, sl1, ytf, turn.

3rd row: Sl1, k9, [inc, k2] 7 times, inc, k3, ytf, sl1, ytb, turn.

4th row: Sl1, p34, ytb, sl1, ytf, turn.

5th row: Sl1, k26, ytf, sl1, ytb, turn.

6th row: Sl1, p18, ytb, sl1, ytf, turn.

7th row: Sl1, k22, ytf, sl1, ytb, turn.

8th row: Sl1, p26, ytb, sl1, ytf, turn.

9th row: Sl1, k34, ytf, sl1, ytb, turn.

10th row: Sl1, p42, ytb, sl1, ytf, turn.

11th row: Sl1, [k3, k2tog] 8 times, k10, ytf, sl1, ytb, turn.

12th row: Sl1, p50, ytb, sl1, ytf, turn.

13th row: Sl1, k to end.

14th row: P across all sts — 86 sts. Ss 8 rows.

Shape top: 1st dec row: K4, k2tog, [k4, k2tog] to last 2 sts, k2 — 72 sts. Ss 5 rows.

2nd dec row: [K3, k2tog] to last 2 sts, k2 — 58 sts. Ss 5 rows.

3rd dec row: K3, k2tog, [k2, k2tog] to last st, k1 — 44 sts. Ss 3 rows.

4th dec row: K2, [k2tog, k1] to end — 30 sts. P1 row.

5th dec row: [K2tog] to end — 15 sts. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HELMET CREST

(make 1 piece)

With Citron Yellow, cast on 6 sts for base edge and ss 2 rows. Inc 1 st at each end of next row and 4 following alternate rows — 16 sts. Ss 3 rows.

Shape top section: Cast off 5 sts at beginning of next 2 rows — 6 sts. Ss 4 rows. Cast off for top edge.

EARS (make 2 pieces)

With Skin Tone, cast on 10 sts. **Inc row:** [Inc, k1] to end — 15 sts. Beginning with a p row, ss 4 rows. **Dec row:** [P2tog, p1] to end — 10 sts. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HAIR (make 1 piece)

With Gold, cast on 33 sts for base edge.

Inc row: [K2, inc] to last 3 sts, k3 — 43 sts.

1st rib row: P3, [k1, p3] to end.

2nd rib row: K3, [p1, k3] to end. Repeat the last 2 rows, twice more.

Dec row: P3, [p2tog, p3] to end — 35 sts. Beginning with a k row, ss 2 rows. Cast off for top edge.

SIDEburns

(make 2 pieces)

With Gold, cast on 7 sts for top edge and ss 3 rows.

Dec 1 st each end of next row and following 3rd row — 3 sts. Ss 2 rows. Cast off for base edge.

ARM (make 2 pieces)

With Skin Tone, cast on 6 sts for top edge and ss 2 rows. Inc 1 st each end of next 2 rows — 10 sts.

For underarms: Cast off 2 sts at beginning of next 2 rows — 14 sts. Ss 22 rows.

Shape hand: Inc row: [K1, inc] 6 times, k2 — 20 sts. P 1 row.

For thumb: Cast on 5 sts at beginning of next 2 rows — 30 sts.

Dec row: K3, skpo, k20, k2tog, k3 — 28 sts. P 1 row.

Cast off 4 sts at beginning of next 2 rows — 20 sts.

Inc for fingers: Next row: K3, inc, k2, inc, k5, inc, turn.

Little finger: Next row: P8, turn and work on these 8 sts for little finger. Ss 2 rows. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off, then join seam.

Middle finger: Next row: With right side facing, rejoin yarn to 7 sts on left-hand needle, k2, inc, turn.

Next row: P8, turn and work on these sts only. Ss 3 rows.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off. Join seam.

Index finger: Next row: With right side facing, rejoin yarn to 4 sts on left-hand needle and k4, turn.

Next row: P across all 8 sts. Ss 3 rows. Break yarn, leaving a long end. Thread end through sts, draw up tightly and join seam. Now join seam round thumb and up arm, stopping at underarm.

SLEEVES (make 2 pieces)

With Sunshine, cast on 24 sts and ss 4 rows for hem. Stranding yarn not in use loosely across wrong side of work, continue in check pattern thus: **1st row:** [K3 Orange, 3 Sunshine] to end. **2nd row:** [P3 Sunshine, 3 Orange] to end.

3rd and 4th rows: As 1st and 2nd rows. **5th row:** [K3 Sunshine, 3 Orange] to end. **6th row:** [P3 Orange, 3 Sunshine] to end.

7th and 8th rows: As 5th and 6th rows. These 8 rows form pattern. Pattern another 10 rows.

Shape top: Keeping continuity of pattern, cast off 3 sts at beginning of next 2 rows for underarms — 18 sts. Dec 1 st at beginning of next 10 rows — 8 sts. Cast off for top edge.

TO MAKE UP

Join each inside leg seam from base edge up to markers, then join back seam of body from markers up to shoulder edge. Join back seam on bib section.

Mark centre point on base edge of each boot upper, then join back seam. Now sew base edge of boot to sole, matching back seam to centre back edge of sole,

having marked point to centre front edge of sole. Trace off sole template (below right) and cut two pieces from card. Glue card sole to inside of each boot, then stuff boots firmly.

Sew ankle edge of each boot to base edge of leg, placing boot seam 4 knitted stitches away from inside leg seam. Stuff legs and body firmly. With body seam running down centre back, fold shoulder edge flat and join.

Join head seam down from gathered point, leaving a 4 cm space open at base. Stuff head firmly, then join remainder of seam. Now work a gathering thread through every stitch on cast-on edge, draw up tightly and fasten off. With seam running down centre back, position and sew head to top of body, sewing round knitted marker row at base of head.

Sew nose in position, within shaped section at front of face, stuffing lightly and placing gathered base edge 8 rows above chin increase row, having top edge in line with last decrease row.

Mark eye positions, placing in line with top of nose and spacing 8 knitted stitches apart. Carefully draw out a strand from a length of Black yarn and use the remaining 2 strands to embroider an oval of 8 chain stitches at each eye position, fastening off ends of yarn at top of head. With another 2 strands of Black yarn, embroider outline of mouth with split stitch, placing lower edge 2 rows above chin shaping row and making mouth 10 knitted stitches wide. Fill in outline with lines of split stitch, fastening off ends as before.

Join helmet seam. Stiffen peak by spreading glue over wrong side of work, making sure that none seeps through to right side, and folding shaped peak section in half. Fit helmet on head and pin in place, adding a little stuffing to fill out top, positioning base edge 6 rows above top of nose at front head.

Now pin hairpiece in place at back of head, tucking top edge under base of helmet. Unpin back section of helmet and sew hair in place, stuffing slightly. Join side edges on each ear piece, then work a gathering thread through every stitch on cast-on edge, draw up tightly and fasten off. Press each ear flat between finger and thumb to make a small round disc, then sew at each end of hairpiece. Sew sideburns in place at front of ears. Now oversew base edge of helmet in place, overlapping top of hair and sideburns.

Take helmet crest and sew cast-off edges to side edges on top section. Cut a 5 cm x 1.5 cm strip of card and fold down top 1.5

cm to make a right angle. Glue card to wrong side of crest, then sew crest in place at front of helmet, stuffing slightly.

Take arms and use tweezers to stuff fingers and thumbs, then stuff hands and arms firmly. Following pressing instructions on ball band, press each sleeve piece lightly on wrong

side, then fold up hem to wrong side and press. Join each sleeve seam from cast-on edge up to underarm, then fold hem to wrong side and slip stitch in place. Fit sleeves over arms, position and sew

SOLE TEMPLATE

trace off same size

top edges of arms to sides of body, then sew sleeve-heads in place. Take bib straps over shoulders and sew ends to top edge of bib at back, spacing them 8 knitted stitches apart.

Wrap belt round waist and join edges, positioning this join 7 cm to the left of centre front. Join ends of buckle piece, then shape into a square and sew to centre front of belt and body.

The screwdrivers: To make the Yellow screwdriver, cut a 4 cm length of drinking straw for handle and cut off cotton-wool from one end of cotton-bud. Spread glue over remaining cotton-wool end and push this into straw, leaving 4 cm visible for stem. Using either double-sided tape or glue to secure yarn, bind cotton-bud stem with Gold and straw handle with Citron Yellow, adding two stripes of Red yarn near top. You may also wish to flatten end of screwdriver by pinching with a pair of pliers.

Make Black screwdriver in same manner, this time using a 3-cm length of drinking straw and binding cotton-bud stem with

Light Grey and straw handle with Black.

The wrench: Sew top and lower brackets to wrench handle to form an "F" shape, then spread glue over wrong side of this piece and also wrench jaw piece, curving end, then put on one side to harden. Now glue straight end of jaw piece in position behind brackets and leave to set.

The hammer: Cut a 6-cm length of drinking straw for hammer handle and bind with Gold yarn as before. Oversew side edges of hammer together, working down from gathered tip and stopping 1.5 cm from front edge. Insert 1-cm section at top of hammer handle at this point, securing with a little glue, then join remainder of seam, trapping handle in place. Stuff hammer lightly, then fold front edge flat and join. Bind a 1-cm length of straw with Light Grey, then join side edges of hammer head to form a disc and glue this to one end of straw. Glue opposite end of straw to front of hammer.

Left pouch: Take left pouch piece and fold up along fold line, then

oversew side edges of pocket together. Fold down top flap and secure by sewing pouch tab in place with a few stitches. Position and sew to belt, placing just in front of left arm and covering belt seam.

Right pocket: Fold up and oversew right pocket piece as given for left pouch. Sew top pocket in place with a few stitches and embroider a French knot in Gold at each corner. Thread belt loop over top of belt and sew cast-off edge to base of pocket at back, then slide pocket into position on belt, placing directly below right arm, and secure to body with a couple of stitches.

Position tools: Glue screwdrivers, wrench and hammer in place on belt, then slip hammer backing behind hammer handle and sew top edge to base of belt. Cover each tool with its loop piece, sewing to belt and body with a few stitches, and sewing a line down centre of screwdriver loop between screwdrivers. Finally, embroider a French knot in Gold in each corner of every loop piece.



BELT (make 1 piece)

With Sunshine, cast on 76 sts and ss 5 rows. Cast off kwise.

BUCKLE (make 1 piece)

With Gold, cast on 26 sts, then cast off kwise.

WRENCH LOOP (make 1 piece)

With Sunshine, cast on 7 sts for base edge and ss 5 rows. Cast off kwise for top edge.

SCREWDRIVER AND HAMMER LOOPS (make 2 pieces)

With Sunshine, cast on 10 sts for base edge and ss 5 rows. Cast off kwise for top edge.

HAMMER BACKING (make 1 piece)

With Sunshine, cast on 6 sts for base edge.

1st row: All k.

2nd row: K1, p4, k1.

Repeat the last 2 rows, 8 times more. Cast off for top edge.

LEFT POUCH (make 1 piece)

With Sunshine, cast on 9 sts for top edge of pocket and ss 12 rows.

P 1 row for foldline. Beginning with a p row, ss 21 rows. Cast off for flap edge.

LEFT POUCH TAB (make 1 piece)

With Sunshine, cast on 6 sts, then cast off kwise.

RIGHT POCKET (make 1 piece)

With Sunshine, cast on 8 sts for top edge of pocket and ss 8 rows.



P 1 row for foldline. Beginning with a p row, ss 7 rows for back of pocket. Beginning with a p row, ss 17 rows for belt loop. Cast off for lower loop edge.

RIGHT TOP POCKET (make 1 piece)

With Sunshine, cast on 6 sts for base edge and ss 5 rows. Cast off kwise for top edge.

WRENCH HANDLE (make 1 piece)

With Light Grey, cast on 20 sts and k 1 row. Cast off kwise.

WRENCH TOP BRACKET (make 1 piece)

With Light Grey, cast on 5 sts and k 1 row. Cast off kwise.

WRENCH LOWER BRACKET (make 1 piece)

With Light Grey, cast on 3 sts, then cast off kwise.

WRENCH JAW (make 1 piece)

With Light Grey, cast on 16 sts. **Curve end:** Cast off 3 sts kwise, k3tog, then pass st on right-hand needle over st just worked and cast off remaining sts kwise.

HAMMER (make 1 piece)

With Light Grey, cast on 10 sts for front edge and ss 8 rows.

1st dec row: Dec, k to last 2 sts, dec — 8 sts. P 1 row.

2nd dec row: K2, skpo, k2tog, k2 — 6 sts. P 1 row.

3rd dec row: K1, skpo, k2tog, k1 — 4 sts. P 1 row.

4th dec row: Skpo, k2tog — 2 sts. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HAMMER HEAD (make 1 piece)

With Light Grey, cast on 10 sts. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.



Helmet, hair, ears and sideburns

Join helmet seam. Stiffen peak by spreading glue over wrong side of work, making sure none seeps through to right side, and folding shaped peak section in half. Fit helmet on head and pin in place, adding a little stuffing to fill out top, positioning base edge 6 rows above top of nose.

Pin hair piece in place at back of head, tucking top edge under base of helmet. Unpin back section of helmet and sew hair in place, stuffing slightly. Join side edges on each ear, then work a gathering thread through every stitch on cast-on edge, draw up tightly and fasten off.

Press each ear flat between finger and thumb to make a small disc, then sew at each end of hairpiece. Sew sideburns in place at front of ears.

Oversew base edge of helmet in place, overlapping top of hair and sideburns. Take helmet crest and sew cast-off edges to side edges on top section. Cut a 5 x 1.5 cm strip of card and fold down top 1.5 cm to make a right angle. Glue card to the wrong side of the crest, then sew crest in place at front of helmet, stuffing slightly.

Hands, arms and sleeves

Take arms and use tweezers to stuff fingers and thumbs, then stuff hands and arms firmly.

Following instructions on ball band, press each sleeve piece lightly on wrong side, then fold up hem to wrong side and press. Join each sleeve seam from cast-on edge up to underarm, then fold hem to wrong side and slip stitch in place. Fit sleeves over arms, position and sew top edges of arms to sides of body, then sew sleeve-heads in place.

Take bib straps over shoulders and sew ends to top of bib at back, spaced 8 stitches apart.

Belt and tools

Wrap belt round waist and join edges, positioning join 7 cm to left of centre front. Join ends of buckle piece, then shape into a square and sew to centre front of belt and body.

The screwdrivers: To make the Yellow screwdriver, cut a 4 cm length of drinking straw for handle and cut off cotton wool from one end of a cotton bud. Spread glue over remaining cotton wool end and push this into the straw, leaving 4 cm visible for the stem. Using double-sided tape or glue to secure the yarn, bind the stem of the cotton bud with Mustard and the straw handle with Citron Yellow, adding two stripes of Red yarn near the top. You may also wish to flatten end of screwdriver by pinching with pliers.

Make Black screwdriver in the same manner, this time using a 3 cm length of drinking straw and binding cotton-bud stem with Light Grey and straw handle with Black.

The wrench: Sew top and lower brackets to wrench handle to form an 'F' shape, then spread glue over wrong side of this piece and the wrench jaw piece, curving the end. Put aside to harden. Now glue straight end of jaw piece in position behind brackets and leave to set.

The hammer: Cut a 6 cm length of drinking straw for hammer handle and bind with Mustard yarn as before. Oversew side edges of hammer together, working down from gathered tip and stopping 1.5 cm from front edge. Insert 1 cm section at top of hammer handle at this point, securing with a little glue, then join remainder of seam, trapping handle in place. Stuff hammer lightly, then fold front edge flat and join. Bind a 1 cm length of straw with Light Grey, then join side edges of hammer head to form a disc and glue this to one end of straw. Glue opposite end of straw to front of hammer.

Left pouch: Take the left pouch piece and fold along the foldline, then oversew side edges of pouch together. Fold down top flap and secure by sewing pouch tab in place with a few stitches. Position and sew to belt, placing just in front of left arm and covering belt seam.

Right pockets: Fold and oversew right pocket piece as described for left pouch (above). Sew the top pocket in place with a few stitches and embroider a French knot



in Mustard at each corner. Place the belt loop over the top of the belt and sew the cast-off edge to the base of the pocket at the back, then slide the pocket into position on the belt, directly below the right arm, and secure it to the body with a couple of stitches.

Position tools: Glue the screwdrivers, wrench and hammer in place on the belt, then slip the hammer backing behind the hammer handle and

sew the top edge to the base of the belt. Cover each tool with its loop piece, sewing it to the belt and the body with a few stitches, and sewing a line down the centre of screwdriver loop between the screwdrivers. Finally, embroider a French knot in Mustard in each corner of every loop piece.

DUNGAREES BIB

(make 1 piece)

With right side of work facing, using Cloud Blue and working through each st, pick up and k76 sts along last Cloud Blue row of body piece.

Beginning with a p row, ss 9 rows.

Dec row: K6, [k2tog, k6] to end — 66 sts.

Ss 7 rows.

Left shoulder strap: Next row: Cast off first 23 sts, k5 sts more, turn and work these 6 sts only.

Ss 27 rows. Cast off.

Right shoulder strap:

Next row: With right side facing, rejoin Cloud Blue to remaining 37 sts, cast off 8 sts for centre of bib, k5 sts more, turn and work on these 6 sts only.

Ss 27 rows. Cast off.

With right side facing, rejoin Cloud Blue to remaining 23 sts and cast off.

BOOT UPPERS

(make 2 pieces)

With Citron Yellow, cast on 48 sts for base edge and k 3 rows, then p 2 rows. Join in Mustard and p 1 row.

Shape front: 1st row:

K38, ytf, sl1, ytb, turn.

2nd row: Sl1, p26, ytb, sl1, ytf, turn.

3rd row: Sl1, k26, ytf, sl1, ytb, turn.

4th row: Sl1, p22, ytb, sl1, ytf, turn.

5th row: Sl1, k18, ytf, sl1, ytb, turn.

6th row: Sl1, p16, ytb, sl1, ytf, turn.

7th row: Sl1, k13, ytf, sl1, ytb, turn.

8th row: Sl1, p10, ytb, sl1, ytf, turn.

9th row: Sl1, k to end.

10th row: P across all sts — 48 sts.

1st dec row: K12, [skpo, k4, k2tog] 3 times, k12 — 42 sts. P 1 row.

2nd dec row: K12, [skpo, k2, k2tog] 3 times, k12 — 36 sts. P 1 row.

3rd dec row: K12, skpo, k2tog, k4, skpo, k2tog, k12 — 32 sts. P 1 row.

Cast off for ankle edge.

BOOT SOLES

(make 2 pieces)

With Citron Yellow, cast on 7 sts for back edge and ss 2 rows.

Inc 1 st at each end of next row — 9 sts. Ss 5 rows.

Inc 1 st at each end of next row and following alternate row — 13 sts. Ss 7 rows.

Dec 1 st at each end of next row and 2 following alternate rows — 7 sts. P 1 row.

Cast off for front edge.

HEAD

(make 1 piece)

With Skin Tone, cast on 12 sts for base edge and ss 2 rows.

1st inc row: [Inc] to end — 24 sts. P 1 row.

2nd inc row: [Inc, k1] to end — 36 sts.

K 1 row to mark sewing line.

3rd inc row: K1, Inc, [k2, Inc] to last st, k1 — 48 sts.

Ss 3 rows.

4th inc row: K1, Inc, [k3, Inc] to last 2 sts, k2 — 60 sts.

Ss 3 rows.

5th inc row: K2, Inc, [k4, Inc] to last 2 sts, k2 — 72 sts. P 1 row.

Shape chin: 6th inc row: K34, [Inc] 4 times, k34 — 76 sts. P 1 row.

Shape sides of head: 7th inc row: K14, Inc, k5, Inc, k33, Inc, k5, Inc, k15 — 80 sts. Ss 5 rows.

Shape front of face: 1st dec row: K34, skpo, k8, k2tog, k34 — 76 sts. P 1 row.

2nd dec row: K34, skpo, k6, k2tog, k34 — 72 sts. P 1 row.

3rd dec row: K34, skpo, k4, k2tog, k34 — 74 sts. P 1 row.

4th dec row: K34, skpo, k2, k2tog, k34 — 72 sts. P 1 row.

5th dec row: K34, skpo, k2tog, k34 — 70 sts. Ss 9 rows.

Shape top of head: 6th dec row: K2, k2tog, [k3, k2tog] to last st, k1 — 58 sts. Ss 5 rows.

7th dec row: K1, k2tog, [k2, k2tog] to last st, k1 — 42 sts. Ss 3 rows.

8th dec row: [K1, k2tog] to end — 28 sts. P 1 row.

9th dec row: [K2tog] to end — 14 sts.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

NOSE

(make 1 piece)

With Skin Tone, cast on 3 sts for top edge and ss 2 rows.

Inc 1 st at each end of next row and 3 following alternate rows — 11 sts. Ss 5 rows.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HELMET

(make 1 piece)

With Citron Yellow, cast on 86 sts for base edge.

Shape peak: 1st row: K64, ytf, sl1, ytb, turn.

2nd row: Sl1, p42, ytb, sl1, ytf, turn.

3rd row: Sl1, k9, [Inc, k2] 7 times, Inc, k3, ytf, sl1, ytb, turn.

4th row: Sl1, p34, ytb, sl1, ytf, turn.

5th row: Sl1, k26, ytf, sl1, ytb, turn.

6th row: Sl1, p18, ytb, sl1, ytf, turn.

7th row: Sl1, k22, ytf, sl1, ytb, turn.

8th row: Sl1, p26, ytb, sl1, ytf, turn.

9th row: Sl1, k34, ytf, sl1, ytb, turn.

10th row: Sl1, p42, ytb, sl1, ytf, turn.

11th row: Sl1, [k3, k2tog] 8 times, k10, ytf, sl1, ytb, turn.

12th row: Sl1, p50, ytb, sl1, ytf, turn.

13th row: Sl1, k to end.

14th row: P across all sts — 86 sts. Ss 8 rows.

Shape top: 1st dec row: K4, k2tog, [k4, k2tog] to last 2 sts, k2 — 72 sts. Ss 5 rows.

2nd dec row: [K3, k2tog] to last 2 sts, k2 — 58 sts. Ss 5 rows.

3rd dec row: K3, k2tog, [k2, k2tog] to last st, k1 — 44 sts. Ss 3 rows.

4th dec row: K2, [k2tog, k1] to end — 30 sts. P 1 row.

5th dec row: [K2tog] to end — 15 sts. Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HELMET CREST

(make 1 piece)

With Citron Yellow, cast on 6 sts for base edge and ss 2 rows.

Inc 1 st at each end of next row and 4 following alternate rows — 16 sts. Ss 3 rows.

Shape top section: Cast off 5 sts at beginning of next 2 rows — 6 sts. Ss 4 rows.

Cast off for top edge.

EARS

(make 2 pieces)

With Skin Tone, cast on 10 sts.

Inc row: [Inc, k1] to end — 15 sts.

Beginning with a p row, ss 4 rows.

Dec row: [P2tog, p1] to end — 10 sts.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off.

HAIR

(make 1 piece)

With Mustard, cast on 33 sts for base edge.

Inc row: [K2, Inc] to last 3 sts, k3 — 43 sts.

1st rib row: P3, [k1, p3] to end.

2nd rib row: K3, [p1, k3] to end. Repeat the last 2 rows, twice more.

Dec row: P3, [p2tog, p3] to end — 35 sts.

Beginning with a k row, ss 2 rows. Cast off for top edge.

SIDEBURNS

(make 2 pieces)

With Mustard, cast on 7 sts for top edge and ss 3 rows.

Dec 1 st at each end of next row and following 3rd row — 3 sts. Ss 2 rows.

Cast off for base edge.

ARM

(make 2 pieces)

With Skin Tone, cast on 6 sts for top edge and ss 2 rows.

Inc 1 st at each end of next 2 rows — 10 sts.

For underarms: Cast on 2 sts at beginning of next 2 rows — 14 sts. Ss 22 rows.

Shape hand: Inc row: [K1, Inc] 6 times, k2 — 20 sts. P 1 row.

For thumb: Cast on 5 sts at beginning of next 2 rows — 30 sts.

Dec row: K3, skpo, k20, k2tog, k3 — 28 sts. P 1 row.

Cast off 4 sts at beginning of next 2 rows — 20 sts.

Next row: K3, Inc, k2, Inc, k5, Inc, turn.

Little finger: Next row: P6, turn and work on these 6 sts for little finger. Ss 2 rows.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off, then join seam.

Middle finger: Next row: With right side facing, rejoin yarn to 7 sts on left-hand needle, k2, Inc, turn.

Next row: P6, turn and work on these 6 sts only. Ss 3 rows.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off, then join seam.

Index finger: Next row: With right side facing, rejoin yarn to 4 sts on left-hand needle and k4, turn.

Next row: P across all 8 sts. Ss 3 rows.

Break yarn, leaving a long end. Thread end through sts, draw up tightly and fasten off, then join seam.

Now join seam round thumb and up arm, stopping at underarm.

SLEEVES

(make 2 pieces)

With Sunshine, cast on 24 sts and ss 4 rows for hem.

Stranding yarn not in use loosely across wrong side of work, continue in check pattern thus:

1st row: [K3 Orange, 3 Sunshine] to end.

2nd row: [P3 Sunshine, 3 Orange] to end.

3rd and 4th rows: As 1st and 2nd rows.

5th row: [K3 Sunshine, 3 Orange] to end.

6th row: [P3 Orange, 3 Sunshine] to end.

7th and 8th rows: As 5th and 6th rows.

These 8 rows form pattern. Pattern another 10 rows.

Shape top: Keeping continuity of pattern, cast off 3 sts at beginning of next 2 rows for underarms — 18 sts.

Dec 1 st at beginning of next 10 rows — 8 sts.

Cast off for top edge.