

ANIMAL MATHS

SUBTRACTION

Basic maths skills for
the junior primary years.

Fifteen ostriches wanted to go jump the hurdles in the hurdling race. Five of them weren't any good at it, so they had to stop.
How many ostriches went in the hurdles?



$15 - 5 = \square$

Here are three barking dogs.



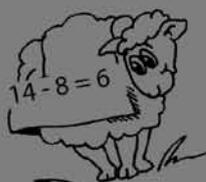
$\square - \square = \square$

This crocodile is cracking coconuts. He has ten to do and he has already cracked four. How many still to be cracked?



$10 - 4 = \square$

This sheep has lost her bag of wool. The answer on the cover must match the answer on her bag of wool.
Draw a line from this sheep to her bag of wool.



$14 - 8 = 6$



$12 - 6 = 6$

BY
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SAMPLE

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*Subtracting 4, 5, 6 from 10 and numbers less than 10

Teachers' Notes for Sheets 5 and 6

Concept:

Subtracting 4, 5, 6 from 10 and numbers less than 10.

Plan ahead. Ask children to bring in toy trucks. Use toy trucks and toy animals to practise problems before commencing worksheets.

Extension Activities.

THEME: THE CIRCUS.

☆ **Make And Play Truck Collage.**

You will need:

- paper or card for background;
- truck cut-out. Children will place glue along sides and base of truck. Do not glue along top.
- animal cut-outs.
- animals can be slipped into the truck via the top. This can be used for maths practice.

☆ **Circus Games**

Juggling, walking on tightrope - thread string through empty upturned fruit cans.

☆ **Creative Writing:** write a story on a circus theme.

- Ideas:
- a clown who can't find his fake hair
 - a sad clown
 - a naughty baby elephant
 - a very tricky monkey
 - a runaway tiger
 - an acrobat family.

☆ **Story time**

Find stories in the library about the circus. Read and discuss.

Answers

*Sheet 5

Page 13

Teacher to check

$$10-5=5$$

$$9-5=4$$

$$9-4=5$$

*Sheet 6

Page 14



$$8-5=3$$



$$6-4=2$$

$$5-4=1$$

$$9-6=3$$

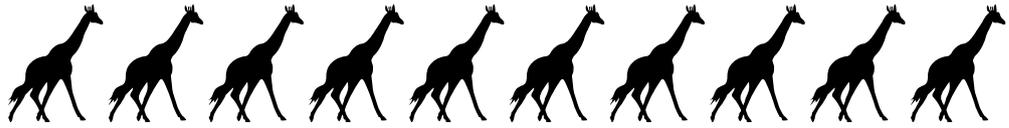
$$10-6=4$$

$$6-5=1$$

$$6-4=2$$

$$7-6=1$$

Example



Here are ten giraffes. **Circle four of them in yellow.**

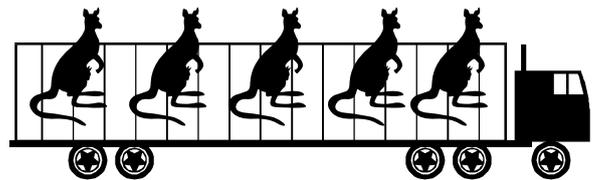
How many are left?

$$10 - 4 = 6$$

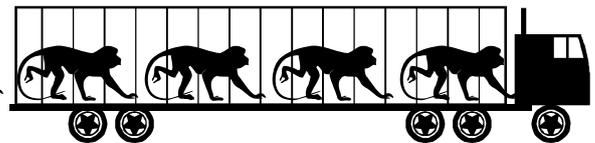
**Some of these animals are off to join the circus.
Can you find out how many will stay?**



$$10 - \square = \square$$



$$9 - 5 = \square$$



$$9 - 4 = \square$$

*Revision (up to 20)

Teachers' Notes for Sheets 21 and 22

Concept:

Subtraction from numbers up to and including 20.
Revision/diagnostic.

- **Page 37 (Sheet 21)** may be used as a starting point for a teacher who sees a need for revision of basic maths facts; this worksheet will pinpoint where the trouble lies. Alternatively it provides revision of subtraction facts covered so far in this book.
- **Page 38 (Sheet 22)** may be used for practising vertical subtraction.

Difficulties on Sheet 21

For difficulties with a-b, revise pp 6-11

For difficulties with c-f revise pp 12-17

For difficulties with g-l, revise pp 18-20

For difficulties with m-p, revise pp 21-29

- **If concrete objects (e.g. animal sets) have been used up to this point, then they need to be available to children while working on page 37.**
- **However, from this point on, as we are counting the objects or animals, children should also be encouraged to memorise the basic subtraction facts up to 20. This memorisation should be gradual, progressive and unpressured. Turn it into a game or quiz (perhaps with animal stickers for prizes). Start with subtraction facts up to 10, then up to 15. Then up to 20. This memory work will prove valuable later when the children learn subtraction with regrouping.**

Extension Activities.

THEME: CROCODILES.

☆ **Crocodile Capers**

Search your school or local library for poems, stories and information about crocodiles.

☆ **Crocodile Habits**

Find out geographic location of crocodiles, what type of environment they like, how they hide in the water etc.

☆ **Crocodile Crazyness**

Involve children in making a puppet play about crocodiles. Two green socks on hands, invert toes for a "mouth". Button eyes. Yellow or white felt triangles sewn on for "teeth".

☆ **Crocodile Game**

Join hands in a long line, spiral to the centre and out again.

Answers

*Sheet 21

Page 37



$$10-4=6$$

- a. 8
- b. 7
- c. 4
- d. 3
- e. 2
- f. 12
- g. 4
- h. 8
- i. 5
- j. 10
- k. 9
- l. 10
- m. 11
- n. 6
- o. 8
- p. 8

*Sheet 22

Page 38



$$13-3=10$$

Teacher to check

This crocodile is cracking coconuts. He has ten to do and he has already cracked four. How many still to be cracked?

$$10 - 4 = \square$$



(a) $10 - 2 = \square$

(b) $10 - 3 = \square$

(c) $9 - 5 = \square$

(d) $8 - 6 = \square$

(e) $10 - 7 = \square$

(f) $9 - 7 = \square$

(g) $16 - 3 = \square$

(h) $11 - 7 = \square$

(i) $12 - 4 = \square$

(j) $14 - 9 = \square$

(k) $20 - 10 = \square$

(l) $16 - 7 = \square$

(m)
$$\begin{array}{r} 20 \\ - 10 \\ \hline \square \end{array}$$

(n)
$$\begin{array}{r} 17 \\ - 6 \\ \hline \square \end{array}$$

(o)
$$\begin{array}{r} 15 \\ - 9 \\ \hline \square \end{array}$$

(p)
$$\begin{array}{r} 16 \\ - 8 \\ \hline \square \end{array}$$