Brombacher & Associates

Choosing the most appropriate NumberSense Workbook for a child

Children will benefit most from the NumberSense Workbook Series if they start with the workbook that matches their stage of number sense development. In that way they will be able to work confidently and independently through the workbook.

The workbooks are developmental in nature. Each workbook builds on the concepts and skills developed in the previous workbook. To gain as much as possible from the workbook series children should work through the materials in the sequence that they appear in the workbook.

To help you choose the NumberSense Workbook that is most appropriate for a particular child; three sample pages are available for each of the 26 workbooks in the series. These sample pages are available in all of the languages that the booklets have been translated into. The purpose of these sample pages is to assist you to decide on the first workbook that a child will start working in.

Using the sample pages to choose the most appropriate workbook for a child

Use the *NumberSense Workbook Grade Guide* at www.NumberSense.co.za to determine the ideal workbook for a child based on their Grade and the time of the year. Then:

- Start with the sample pages from the workbook at least four workbooks before the ideal one.
- Let the child work through these pages by him/herself.
    - If the child finds the activities on the pages too easy (and gets all the answers correct); repeat the exercise with the sample pages from the next workbook.
    - If the child struggles with the pages then repeat the exercise with the sample pages from an earlier workbook in the series.

The best initial workbook for a child is the workbook before the one in which the child starts to struggle.

Having decided on an initial workbook for a child let him/her work through that workbook and those that follow at a pace of at least one page per day.

1. Complete.

- 4 ; 8 ; ___ ; ___ ; ___ ; ___ ; ___ ; ___ ; ___ ; ___ ; ___ ; ___
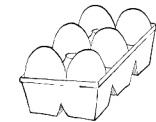
- 12 ; 24 ; ___ ; ___

  ___ fours make 48

  ___ twelves make 48

2. Complete the tables.

Lions	1	3	4	8	10	12	13	15
Paws	4							

Egg boxes	1	2	4	6	8	10	11	12
Eggs	6							

Years	1	2	3	4	5	6
Months	12					

$12 \times 6 = 72$

13×6 is one more 6, so it is $12 \times 6 + 6 = 72 + 6 = 78$

3. Make the sides equal.

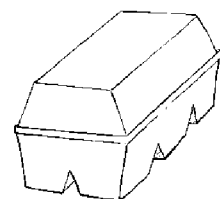$2 \times 4 =$ ___ $3 \times 4 =$ ___ $2 \times 6 =$ ___ $3 \times 6 =$ ___

$4 \times 4 =$ ___ $5 \times 4 =$ ___ $4 \times 6 =$ ___ $5 \times 6 =$ ___

$8 \times 4 =$ ___ $9 \times 4 =$ ___ $8 \times 6 =$ ___ $9 \times 6 =$ ___

$16 \times 4 =$ ___ $17 \times 4 =$ ___ $16 \times 6 =$ ___ $17 \times 6 =$ ___

4. Mrs Jacobs has 14 boxes of eggs. Each box has 6 eggs in it. How many eggs does she have?

1.   How much money?

_____ cents

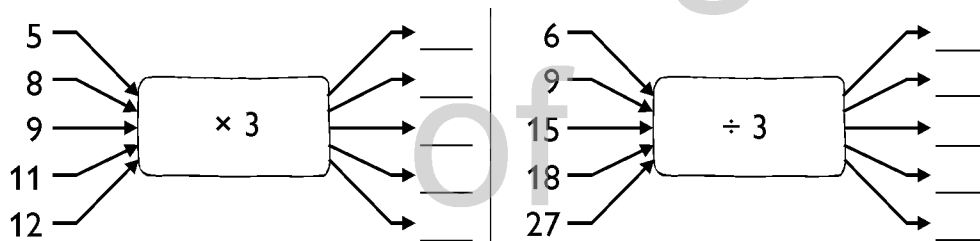R ____ and ____ c

2.   Complete.

$\frac{1}{4}$ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐

$+\frac{1}{4}$

☐ ← $+\frac{1}{4}$ ← ☐ ← $+\frac{1}{4}$ ← ☐ ← $+\frac{1}{4}$ ← ☐ ← $+\frac{1}{4}$ ← ☐

$+\frac{1}{4}$

☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐ → $+\frac{1}{4}$ → ☐

3.   Complete.

5
8
9   × 3   ____
11   ____
12   ____

6
9
15   ÷ 3   ____
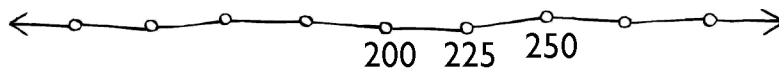18   ____
27   ____
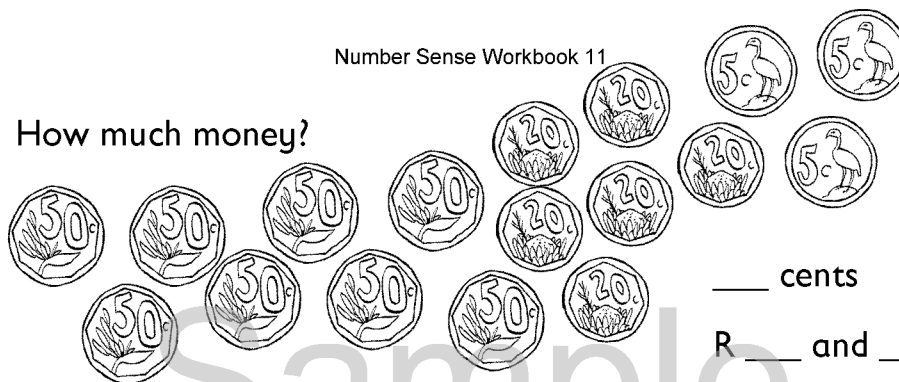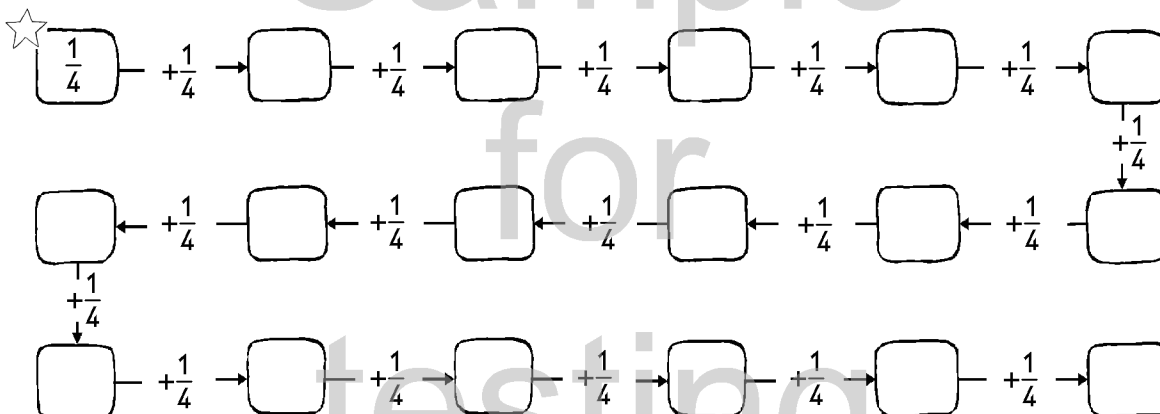
4.   Mr Faku has 120 cans of cooldrink. He sells the same amount to Yusuf and Fundi. He has 30 cans left.

• How many cans did he sell altogether?

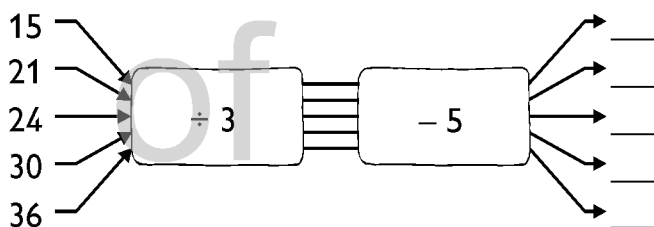• How many cans did he sell to Yusuf?

1.   Complete.

200   225   250

2.   Complete in different ways.

25	+	50	+	75
	+		+	75
	+		+	75
	+		+	75
	+		+	75
	+		+	30
	+		+	30
	+		+	30
	+		+	30

3.   Complete.

15
21
24
30
36

÷ 3   − 5

4.   Yusuf has between 10 and 20 toffees.

If he counts his toffees in 4's, he has 3 left over.

If he counts his toffees in 5's, he has 4 left over.

How many toffees has Yusuf got?

www.brombacher.co.za