

# Varied Fluency

## Step 8: 6 Times Table and Division Facts

### National Curriculum Objectives:

Mathematics Year 4: (4N1) [Count in multiples of 6, 7, 9, 25 and 1,000](#)

Mathematics Year 4: (4C6a) [Recall multiplication division facts for multiplication tables up to  \$12 \times 12\$](#)

Mathematics Year 4: (4c6b) [Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers](#)

### Differentiation:

**Developing** Questions to support solving calculations using known facts of the 6 times table up to  $12 \times 6$  to derive division facts. Also includes multiplying by 10. Pictorial support included.

**Expected** Questions to support solving calculations using known facts of the 6 times table up to  $12 \times 6$  to derive division facts. Also includes multiplying by 10 and 100.

**Greater Depth** Questions to support solving calculations using known facts of the 6 times table up to  $12 \times 6$  to derive division facts. Also includes using non-standard multiples, such as  $24 \times 6$  ( $12 \times 6 \times 2$ ) and some two-step problems.

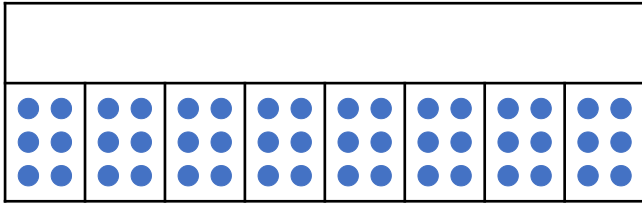
More [Year 4 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

## 6 Times Table and Division Facts

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1a. Complete the bar model and matching statements below.



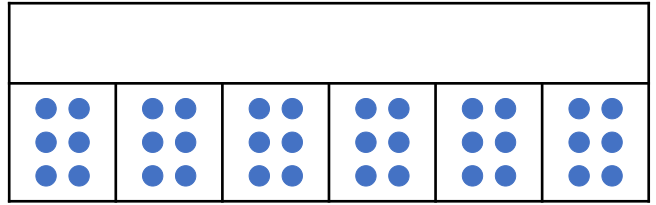
$$\square \times \square = \square$$

$$\square \div \square = \square$$



VF

1b. Complete the bar model and matching statements below.



$$\square \times \square = \square$$

$$\square \div \square = \square$$



VF

2a. Match the statements to their related images.



$$36 \div 6 = 6$$



$$20 \times 6 = 120$$

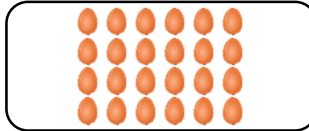


$$6 \times 30 = 180$$



VF

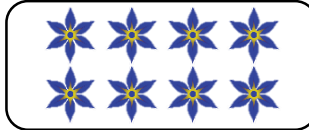
2b. Match the statements to their related images.



$$6 \times 10 = 60$$



$$40 \times 6 = 240$$



$$48 \div 6 = 8$$



VF

3a. Freya eats six strawberries every day for 12 days. Leo ate 54 strawberries over 6 days. Complete the calculation for each child.



$$12 \times 6 = \square$$

Freya

$$54 \div 6 = \square$$



Leo



VF

3b. Aliya collected 72 chestnuts over 6 days. Will collects six chestnuts everyday for 11 days. Complete the calculation for each child.



$$72 \div 6 = \square$$

Aliya

$$11 \times 6 = \square$$



Will



VF

## 6 Times Table and Division Facts

## 6 Times Table and Division Facts

4a. Complete the statements below.

$$60 \times \square = 420$$

$$120 \div \square = 20$$

$$9 \times 60 = \square$$

$$240 \div 60 = \square$$



VF

4b. Complete the statements below.

$$5 \times \square = 300$$

$$480 \div \square = 80$$

$$4 \times 60 = \square$$

$$360 \div 6 = \square$$



VF

5a. Match the statements to their answers.

$$6 \times 6$$

$$6 \times 60$$

$$600 \times 6$$

$$360$$

$$306$$

$$36$$

$$3,600$$

$$3,036$$



VF

5b. Match the statements to their answers.

$$6 \times 7$$

$$70 \times 6$$

$$700 \times 6$$

$$48$$

$$420$$

$$402$$

$$42$$

$$4,200$$



VF

6a. Hayley buys 60 water bottles everyday for nine days. Jackson bought a total of 480 water bottles over six days. Complete the calculation for each child.



Hayley

$$\square \times \square = \square$$

$$\square \div \square = \square$$



Jackson



VF

6b. Monica travels 60 miles everyday for eleven days. Trevor travelled a total of 540 miles over six days. Complete the calculation for each child.



Monica

$$\square \times \square = \square$$

$$\square \div \square = \square$$



Trevor



VF

## 6 Times Table and Division Facts

## 6 Times Table and Division Facts

7a. Complete the statements below.

$$6 \times \square = 33 + 9$$

$$180 \div 3 = \square - 30$$

$$\square \times 30 = 720 \div 12$$

$$9 \times 60 = \square - 60$$



VF

7b. Complete the statements below.

$$377 - \square = 60 \times 6$$

$$660 \div 6 = 80 + \square$$

$$\square \div 6 = 20 \times 3$$

$$720 \div 6 = \square - 30$$



VF

8a. Match the statements from each column.

$$6 \times 3 \times 3$$

$$180$$

$$33 \div 3$$

$$30 \times 6$$

$$9$$

$$3 \times 6 \times 10$$

$$540 \div 60$$

$$9 \times 6$$

$$270 \div 30$$

$$660 \div 60$$

$$11$$

$$54$$



VF

8b. Match the statements from each column.

$$48 \div 6$$

$$900 \div 3$$

$$24 \div 3$$

$$50 \times 6$$

$$8$$

$$12$$

$$120 \times 3$$

$$360 \div 30$$

$$300$$

$$720 \div 60$$

$$360$$

$$60 \times 3 \times 2$$



VF

9a. Andrea buys 10 packs of 6 pencils everyday for twelve days. Ryan buys 10 packs of the same pencils for eleven days. Complete the calculation for each child.



Andrea

$$\square \times \square \times \square = \square$$

$$\square \times \square \times \square = \square$$



Ryan



VF

9b. Hardin does 4 sets of 6 push ups for ten days. Ishani does 3 sets of 6 push ups for thirty days. Complete the calculation for each child.



Hardin

$$\square \times \square \times \square = \square$$

$$\square \times \square \times \square = \square$$



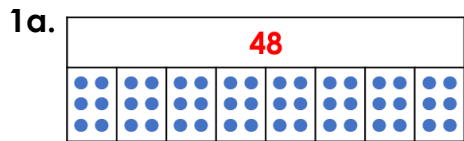
Ishani



VF

## Reasoning and Problem Solving 6 Times Table and Division Facts

### Developing



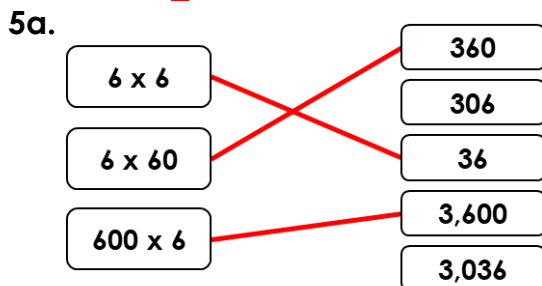
$8 \times 6 = 48$  or  $6 \times 8 = 48$ ;  $48 \div 8 = 6$



3a. Freya:  $12 \times 6 = 72$ ; Leo:  $54 \div 6 = 9$

### Expected

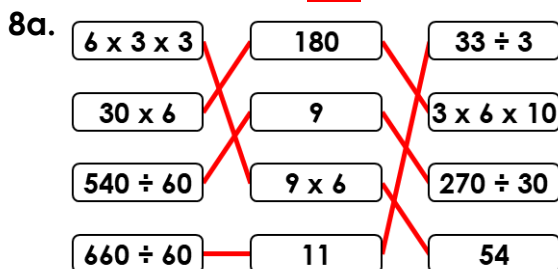
4a.  $60 \times 7 = 420$ ;  $120 \div 6 = 20$ ;  $9 \times 60 = 540$ ;  $240 \div 60 = 4$



6a. Hayley:  $60 \times 9 = 540$  or  $9 \times 60 = 540$ ; Jackson:  $480 \div 6 = 80$ .

### Greater Depth

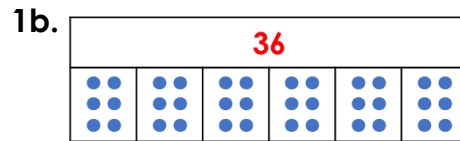
7a.  $6 \times 7 = 33 + 9$ ;  $180 \div 3 = 90 - 30$ ;  $2 \times 30 = 720 \div 12$ ;  $9 \times 60 = 600 - 60$



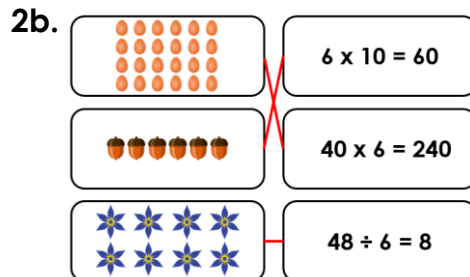
9a. Andrea:  $10 \times 6 \times 12 = 720$ ; Ryan:  $10 \times 6 \times 11 = 660$

## Reasoning and Problem Solving 6 Times Table and Division Facts

### Developing



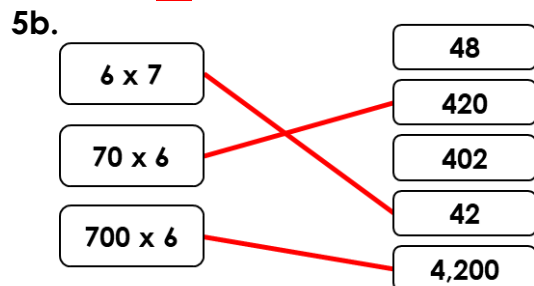
$6 \times 6 = 36$ ;  $36 \div 6 = 6$



3b. Aliya:  $72 \div 6 = 12$ ; Will:  $11 \times 6 = 66$

### Expected

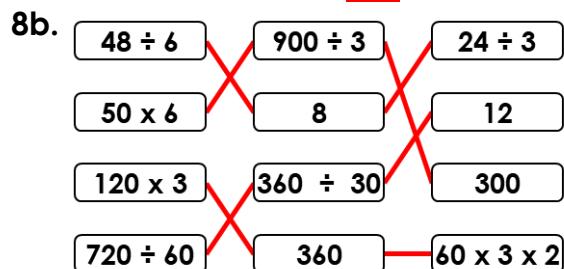
4b.  $5 \times 60 = 300$ ;  $480 \div 6 = 80$ ;  $4 \times 60 = 240$ ;  $360 \div 6 = 60$



6b. Monica:  $60 \times 11 = 660$  or  $11 \times 60 = 660$ ; Trevor:  $540 \div 6 = 90$ .

### Greater Depth

7b.  $377 - 17 = 60 \times 6$ ;  $660 \div 6 = 80 + 30$ ;  $360 \div 6 = 20 \times 3$ ;  $720 \div 6 = 150 - 30$



9b. Hardin:  $4 \times 6 \times 10 = 240$ ; Ishani:  $3 \times 6 \times 30 = 540$