Homework/Extension
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 × 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:

Questions 1, 4 and 7 (Varied Fluency)
Developing Complete the calculations using known facts of the 6 times table up to 12 x 6, derive division facts and facts using multiples of 10. Pictorial support included.
Expected Complete the calculations using known facts of the 6 times table up to 12 x 6, derive division facts and facts using multiples of 10 and 100.
Greater Depth Complete the calculations using known facts of the 6 times table up to 12 x 6, derive division facts and also facts using non-standard multiples. Includes some two-step problems.

Questions 2, 5 and 8 (Varied Fluency)
Developing Complete the calculation statements using known facts of the 6 times table up to 12 x 6 and facts using multiples of 10. Pictorial support included.
Expected Complete the calculation statements using the number cards and known facts of the 6 times table up to 12 x 6, derive division facts and facts using multiples of 10 and 100.
Greater Depth Complete the calculation statements using the number cards and known facts of the 6 times table up to 12 x 6, derive division facts and also facts using non-standard multiples. Includes some two-step problems.

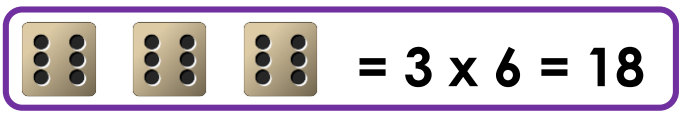
Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Identify and explain which statement is correct using known facts of the 6 times table up to 12 x 6, derive division facts and facts using multiples of 10. Pictorial support included.
Expected Identify and explain which statement is correct using known facts of the 6 times table up to 12 x 6, derive division facts and facts using multiples of 10 and 100 .
Greater Depth Identify and explain which statement is correct using known facts of the 6 times table up to 12 x 6, to derive division facts and also facts using non-standard multiples. Includes some two-step problems.

More Year 4 Multiplication and Division resources.

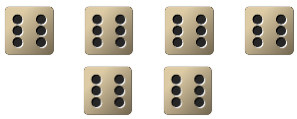
Did you like this resource? Don't forget to review it on our website.

6 Times Table and Division Facts

1. Write calculations to match the images, using the times table fact below:

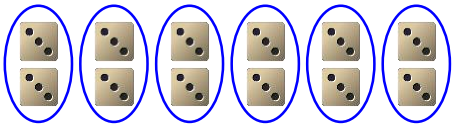


A.



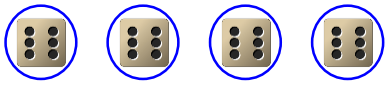
□ x □ = □

C.



□ ÷ □ = □

B.



□ ÷ □ = □

D.

□ x □ = □

D

VF
HW/Ext

2. Use the number piece array to work out the calculations below.

A. 6 x 5 = □

B. □ x 5 = 300

C. 30 ÷ □ = 5

D

VF
HW/Ext

3. Neil and Penny make 66 party hats. They need to pack them into boxes to take to the school disco. Each box holds six party hats.

We only need to pack 12 boxes.

Neil

We only need to pack 11 boxes.

Penny

Who is correct? Convince me.

D

RPS
HW/Ext

6 Times Table and Division Facts

4. Write and solve the calculations using the times table fact below:

7 x 6 = 42

A. 70 x 6 = ☐

B. 420 ÷ ☐ = 7

C. 360 = ☐ x 6

D. 480 ÷ ☐ = 80

E

VF
HW/Ext

5. Use the number cards to complete the calculations below.

36	12	360	60	3

A. 60 x ☐ = 18 x 10

B. ☐ ÷ 10 = 12 x 3

C. 360 ÷ 6 = 720 ÷ ☐

E

VF
HW/Ext

6. Andrew and Rebecca bake biscuits and pack them in boxes. They fill 6 boxes for 10 days.

Andrew

If we fill 6 boxes for 10 days, we would have packed 60 boxes in total.

If we fill 6 boxes for 10 days, we would have packed 660 boxes in total.

Rebecca

Who is correct? Convince me.

E

RPS
HW/Ext

6 Times Table and Division Facts

7. Write and solve the calculations using the times table fact below:

4 x 6 x 3 = 72

A. 720 ÷ 60 = ☐

B. 72 = ☐ x 3

C. 18 x ☐ x 2 = 720

D. 60 x ☐ x 4 = 720

GD

VF
HW/Ext

8. Use the number cards to complete the calculations below.

3	30	180	400	100

A. 60 x 5 x 2 = 6 x ☐

B. 5,400 ÷ 6 = ☐ x 3 x 100

C. ☐ x 6 = 100 x 3 x 8

GD

VF
HW/Ext

9. Paul and Candice bake 360 cupcakes for a bake sale. They need to display the cupcakes on a large tray or a box. A large tray holds 60 cupcakes and a box holds 6 cupcakes.

Paul

We have baked 360 cupcakes in total, so we can fill 4 large trays and 11 boxes.

We have bakes 360 cupcakes in total, so we can fill 5 large trays and 10 boxes.

Candice

Who is correct? Convince me.

GD

RPS
HW/Ext

Homework/Extension
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Developing

1. A: 6 x 6 = 36; B: 24 ÷ 6 = 4 or 24 ÷ 4 = 6; C: 36 ÷ 6 = 6;
D: 2 x 6 = 12 or 6 x 2 = 12.
2. A: 30; B: 60; C: 6
3. Penny is correct because 66 ÷ 11 = 6.

Expected

4. A: 420; B: 60; C: 60; D: 6
5. A: 3; B: 360; C: 12
6. Andrew is correct because 6 x 10 = 60, not 660.

Greater Depth

7. A: 12; B: 24; C: 20; D: 3
8. A: 100; B: 3; C: 400
9. Candice is correct because 5 x 60 = 300. 10 x 6 = 60. 300 + 60 = 360.