

1a. Circle the fact that could help you answer this calculation:

$$30 \times 40 \times 30$$

A.  $10 \times 4 = 40$

B.  $3 \times 4 = 12$

C.  $60 \times 4 = 240$

D.  $40 \times 5 = 200$



VF

1b. Circle the facts that could help you answer this calculation:

$$80 \times 30 \times 5$$

A.  $8 \times 35 = 280$

B.  $8 + 3 + 5 = 16$

C.  $20 \times 30 = 600$

D.  $80 \times 30 = 2,400$



VF

2a. True or false? The calculation below is written in the most efficient order.

$$£6,500 - £1,900 - £3,500$$

Number Bonds to 1,000

100 + 900, 200 + 800, 300 + 700  
400 + 600, 500 + 500



VF

2b. True or false? The calculation below is written in the most efficient order.

$$£5,600 - £2,600 - £1,800$$

Number Bonds to 1,000

100 + 900, 200 + 800, 300 + 700  
400 + 600, 500 + 500



VF

3a. Match each number sentence to its approximate answer.

Key Facts

1,000 – 1,499 rounds down to 1,000  
1,500 – 1,999 rounds up to 2,000

A.  $1,957 \div 2$

3,000

B.  $1,899 + 1,072$

1,000



VF

3b. Match each number sentence to its approximate answer.

Key Facts

1,000 – 1,499 rounds down to 1,000  
1,500 – 1,999 rounds up to 2,000

A.  $1,019 \div 2$

500

B.  $1,924 + 1,897$

4,000



VF

4a. Find the missing number.

Key Facts

$7 \times 5 = 35$ ,  $7 \times 6 = 42$ ,  $7 \times 7 = 49$   
 $7 \times 8 = 56$ ,  $7 \times 9 = 63$ ,  $7 \times 10 = 70$

$70 \times \square = 5,600$



VF

4b. Find the missing number.

Key Facts

$9 \times 5 = 45$ ,  $9 \times 6 = 54$ ,  $9 \times 7 = 63$   
 $9 \times 8 = 72$ ,  $9 \times 9 = 81$ ,  $9 \times 10 = 90$

$90 \times \square = 6,300$



VF

5a. Steph and Joshua are solving the calculation  $125 \times 4 \times 12$ .



Steph

I did  $125 \times 4 = 500$ ,  $500 \times 10 = 5,000$  and  $5,000 \times 2 = 10,000$ .

I did  $125 \times 4 = 500$ ,  $500 \times 10 = 5,000$  and  $500 \times 2 = 1,000$  then  $5,000 + 1,000 = 6,000$ .



Joshua

Who is correct? Convince me.



R

5b. Milly and Ivan are solving the calculation  $150 \times 7 \times 20$ .



Milly

I did  $150 \times 20 = 3,000$  then  $3,000 \times 7 = 21,000$ .

I did  $150 \times 20 = 3,000$  and  $3,000 \times 7 = 21,000$  then  $3,000 + 21,000 = 24,000$ .



Ivan

Who is correct? Convince me.



R

6a. Find the approximate answer to the calculations to identify the odd one out.

A.  $£9,084.05 - £1,449.50$

£8,500

£7,000

£7,500

B.  $£3,504.67 + £4,913.35$

Explain your reasoning.



R

6b. Find the approximate answer to the calculations to identify the odd one out.

A.  $£7,496.12 - £4,518.92$

£3,700

£4,500

£3,000

B.  $£2,139.95 + £1,602.10$

Explain your reasoning.



R

## Answers

1a. B

2a. False, it is more efficient to work out  
 $£6,500 - £3,500 = £3,000$  then  
 $£3,000 - £1,900 = £1,100$

3a. A. 1,000; B. 3,000

4a. 80

5a. Joshua is correct because he has  
portioned the numbers correctly to  
multiply by 12. Steph has multiplied by 20.

6a. £7,000 is the odd one out because it is  
not the approximate answer to either of  
the calculations. A is approximately  
£7,500 and B is approximately £8,500.

1b. D

2b. True

3b. A. 500; B. 4,000

4b. 70

5b. Milly is correct because she has  
chosen the most efficient order to solve  
the calculation. Ivan has added 3,000 and  
21,000 but this step is not needed.

6b. £4,500 is the odd one out because it is  
not the approximate answer to either of  
the calculations. A is approximately  
£3,000 and B is approximately £3,700.