

Reception and Year 1 Shapes, Sorting and Grouping, Unit 1 (R1390)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y1 Multiplication Sheet 1

Working towards ARE / Working at ARE

Working towards ARE may use cubes to make sets to help solve multiplications.

Working at ARE use number lines to help find the answers.

Day 1 Y1 Multiplication Sheet 2 (2 pages)

Greater Depth

Children use the number lines to check their answers.

Day 2 Y1 Solving problems Sheet 1

Working towards ARE / Working at ARE

Working towards ARE may use cubes to make sets to help solve multiplications.

Working at ARE use number lines to help find the answers.

Day 2 Y1 Solving problems Sheet 2

Greater Depth

Children use number lines to check their answers.

Day 3 Y1 Money multiplication Sheet 1

Working towards ARE / Working at ARE

Working towards ARE may use number lines to support.

Working at ARE record answers as a multiplication sentence.

Day 3 Y1 Money multiplication Sheet 2

Greater Depth

Children record answers as a multiplication sentence.

Day 4 Y1 2s, 5s and 10s Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Day 5 Y1 Nets Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Multiplication

Sheet 1

Find the answers:

Sets of 2

1. $3 \times 2 =$

2. $5 \times 2 =$

3. $7 \times 2 =$

4. $4 \times 2 =$

5. $10 \times 2 =$

6. $6 \times 2 =$

7. $8 \times 2 =$

8. $9 \times 2 =$

Sets of 5

9. $4 \times 5 =$

10. $6 \times 5 =$

11. $5 \times 5 =$

12. $3 \times 5 =$

Multiplication

Sheet 2

Find the answers:

Sets of 2 and 5

1. $3 \times 2 =$

2. $4 \times 5 =$

3. $7 \times 2 =$

4. $6 \times 5 =$

5. $4 \times 2 =$

6. $10 \times 2 =$

7. $6 \times 2 =$

8. $5 \times 5 =$

9. $8 \times 2 =$

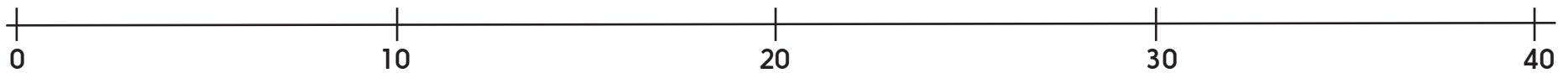
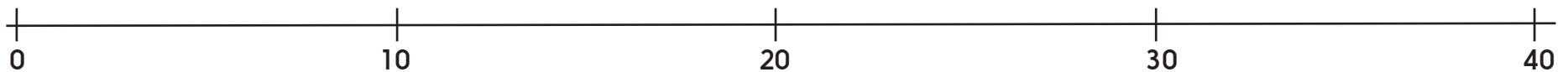
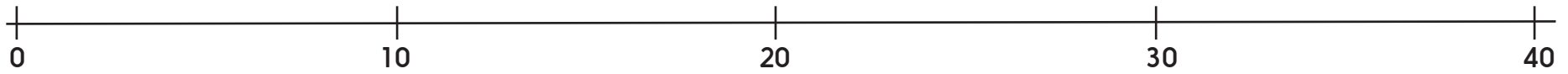
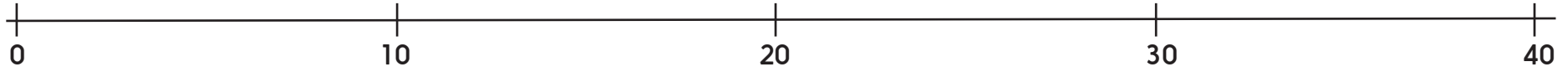
10. $3 \times 5 =$

11. $7 \times 5 =$

12. $9 \times 2 =$

Multiplication

Sheet 2 continued



Solving problems

Sheet 1

Solve the problems:

1. How many towers of 5 can I make from 20 cubes?
2. How many towers of 2 can I make from 8 cubes?
3. How many towers of 10 can I make from 30 cubes?
4. How many towers of 5 can I make from 10 cubes?
5. How many towers of 2 can I make from 12 cubes?
6. How many towers of 5 can I make from 25 cubes?
7. How many towers of 5 can I make from 15 cubes?
8. How many towers of 10 can I make from 40 cubes?
9. How many towers of 5 can I make from 30 cubes?

Solving problems

Sheet 2

Solve the problems:

1. How many towers of 2 can I make from 30 cubes?
2. How many towers of 10 can I make from 80 cubes?
3. How many towers of 5 can I make from 25 cubes?
4. How many towers of 5 can I make from 40 cubes?
5. How many towers of 2 can I make from 28 cubes?
6. How many towers of 2 can I make from 32 cubes?
7. How many towers of 5 can I make from 45 cubes?
8. How many towers of 10 can I make from 50 cubes?
9. How many towers of 5 can I make from 35 cubes?

Challenge

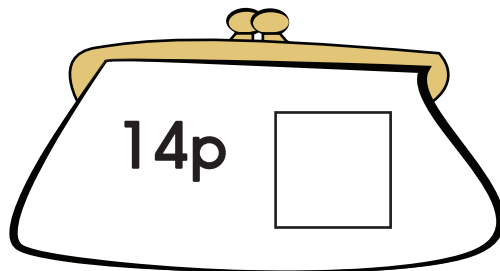
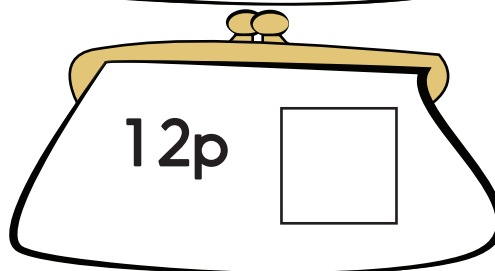
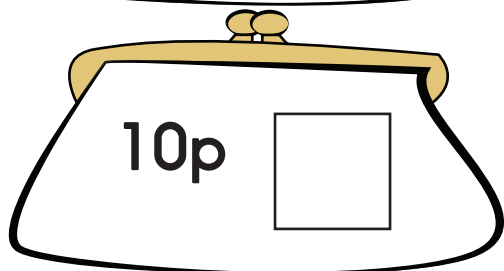
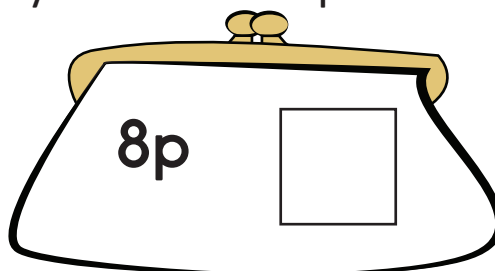
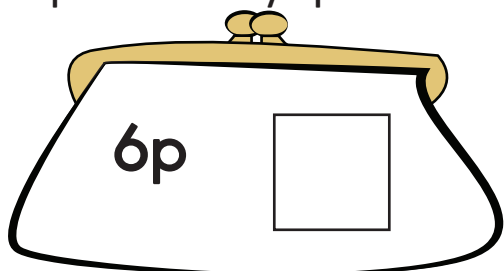
Marya has 28 cubes.

1. How many towers of 2 can she make? How many towers of 5 can she make? How many towers of 10 can she make? Will there be any cubes left over?
2. How can she make towers of 2, 5 and 10 so that there are no cubes left over?

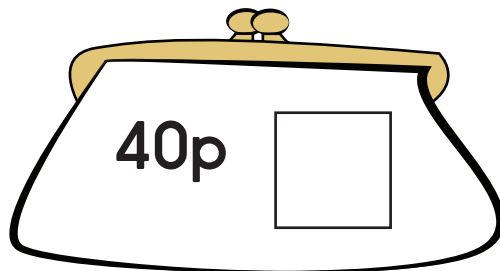
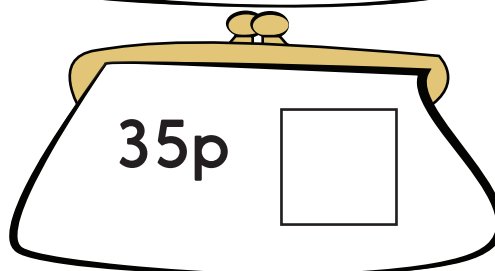
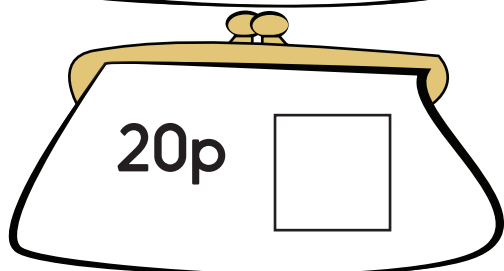
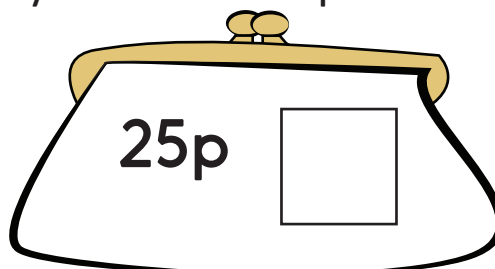
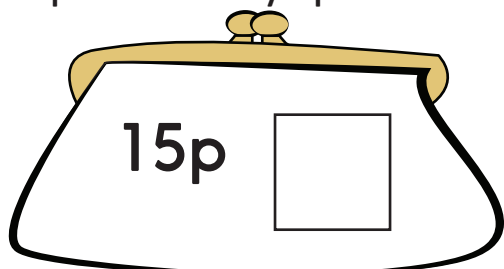
Money multiplication

Sheet 1

Your purse has only 2ps inside. How many coins are in the purse?



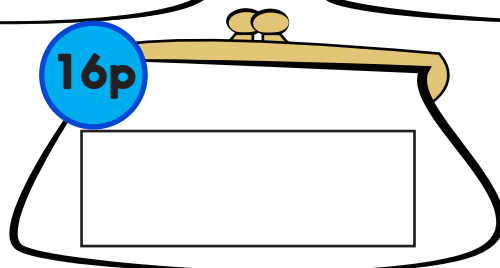
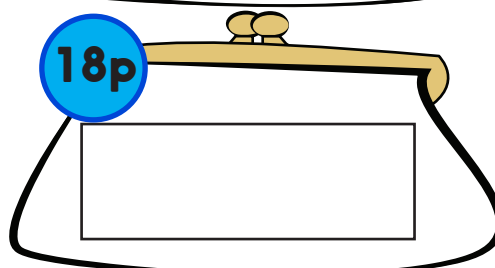
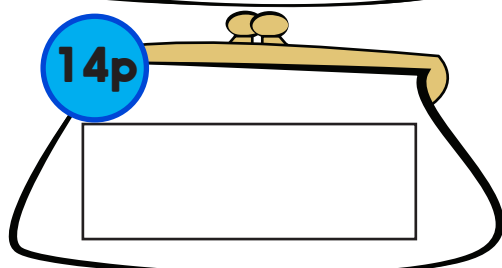
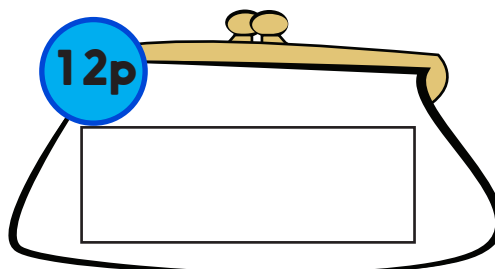
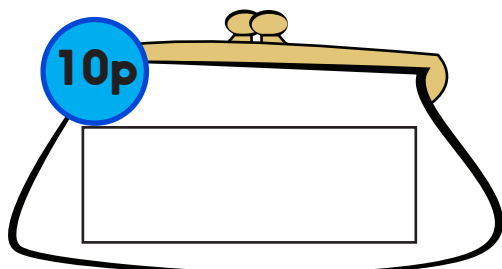
Your purse has only 5ps inside. How many coins are in the purse?



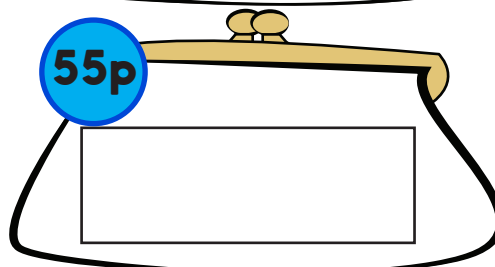
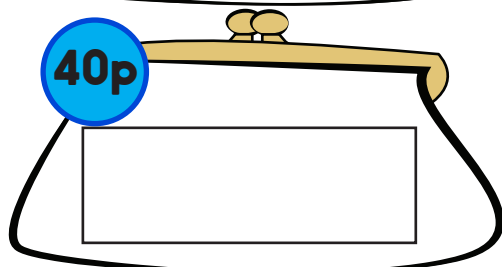
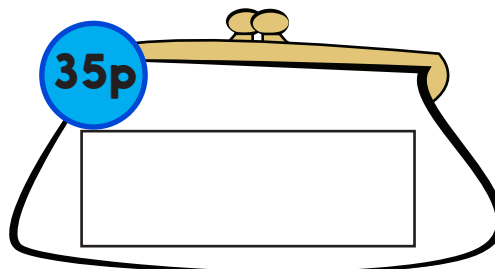
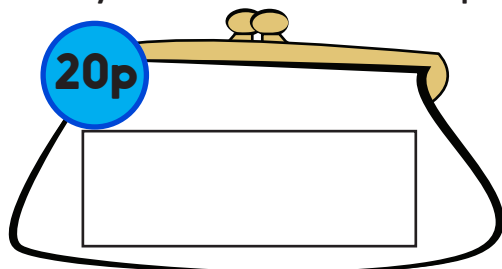
Money multiplication

Sheet 2

Your purse has only 2ps inside. How many coins are in the purse?
Record your answer as a multiplication sentence.



Your purse has only 5ps inside. How many coins are in the purse?
Record your answer as a multiplication sentence.



Challenge

Serena's purse has 5ps and 2ps inside. There is 20p in the purse.
Which coins might be in Serena's purse?

2s, 5s and 10s

Sheet 1

1. Count in 2s from 2 to see which of these numbers belong in the 2s count.
Cross out those that don't belong.

6 9 10 5 8 12 7

2. Count in 5s from 5 to see which of these numbers belong in the 5s count.
Cross out those that don't belong.

10 13 8 20 15 17 25

3. Count in 10s from 10 to see which of these numbers belong in the 10s count.
Cross out those that don't belong.

15 20 12 40 35 30 50

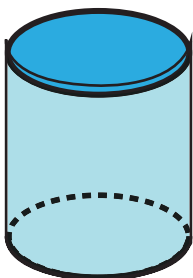
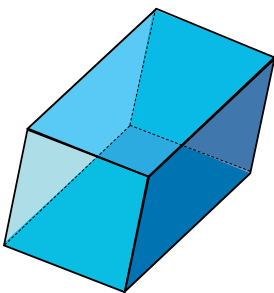
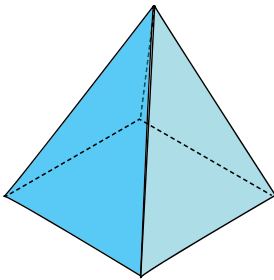
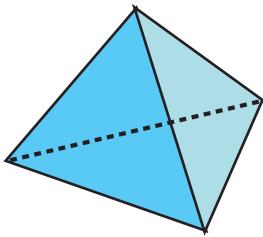
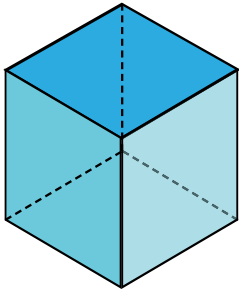
Challenge

Write two more numbers in each count.

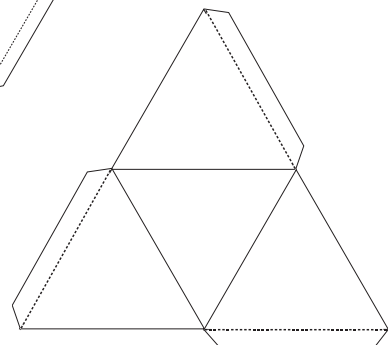
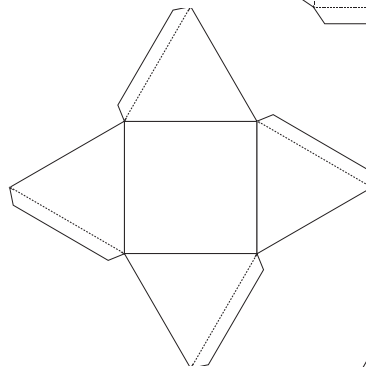
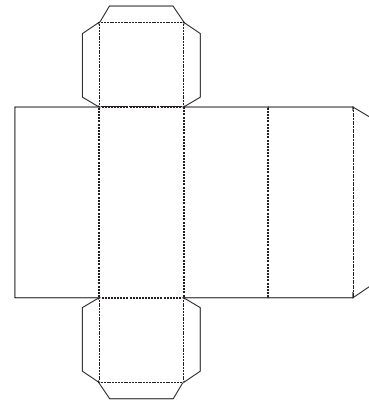
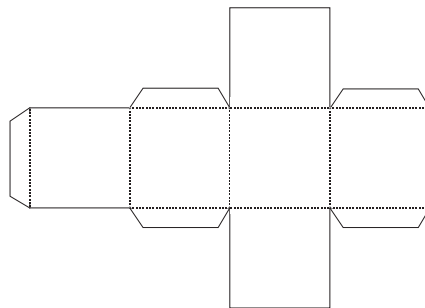
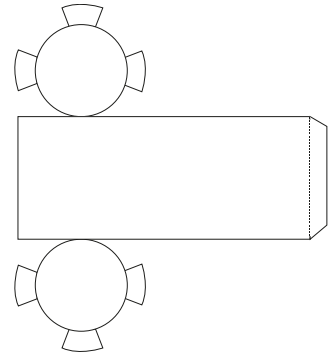
Nets

Sheet 1

Shape



Net



Shapes, Sorting and Grouping

Answers

Day 1 Y1 Multiplication Sheet 1

1. $3 \times 2 = 6$
2. $5 \times 2 = 10$
3. $7 \times 2 = 14$
4. $4 \times 2 = 8$
5. $10 \times 2 = 20$
6. $6 \times 2 = 12$
7. $8 \times 2 = 16$
8. $9 \times 2 = 18$

9. $4 \times 5 = 20$
10. $6 \times 5 = 30$
11. $5 \times 5 = 25$
12. $3 \times 5 = 15$

Day 1 Y1 Multiplication Sheet 2

1. $3 \times 2 = 6$
2. $4 \times 5 = 20$
3. $7 \times 2 = 14$
4. $6 \times 5 = 30$
5. $4 \times 2 = 8$
6. $10 \times 2 = 20$
7. $6 \times 2 = 12$
8. $5 \times 5 = 25$
9. $8 \times 2 = 16$
10. $3 \times 5 = 15$
11. $7 \times 5 = 35$
12. $9 \times 2 = 18$

Day 2 Y1 Solving problems Sheet 1

1. How many towers of 5 can I make from 20 cubes? **4 towers**
2. How many towers of 2 can I make from 8 cubes? **4 towers**
3. How many towers of 10 can I make from 30 cubes? **3 towers**
4. How many towers of 5 can I make from 10 cubes? **2 towers**
5. How many towers of 2 can I make from 12 cubes? **6 towers**
6. How many towers of 5 can I make from 25 cubes? **5 towers**
7. How many towers of 5 can I make from 15 cubes? **3 towers**
8. How many towers of 10 can I make from 40 cubes? **4 towers**
9. How many towers of 5 can I make from 30 cubes? **6 towers**

Shapes, Sorting and Grouping

Answers

Day 2 Y1 Solving problems Sheet 2

1. How many towers of 2 can I make from 30 cubes? **15 towers**
2. How many towers of 10 can I make from 80 cubes? **8 towers**
3. How many towers of 5 can I make from 25 cubes? **5 towers**
4. How many towers of 5 can I make from 40 cubes? **8 towers**
5. How many towers of 2 can I make from 28 cubes? **14 towers**
6. How many towers of 2 can I make from 32 cubes? **16 towers**
7. How many towers of 5 can I make from 45 cubes? **9 towers**
8. How many towers of 10 can I make from 50 cubes? **5 towers**
9. How many towers of 5 can I make from 35 cubes? **7 towers**

Challenge

1. **14 towers of 2 cubes. 5 towers of 5, with 3 cubes left over. 2 towers of 10, with 8 cubes left over.**
2. **She could make 1 tower of 10 cubes, 2 towers of 5 cubes and 4 towers of 2 cubes. $1 \times 10 + 2 \times 5 + 4 \times 2 = 28$**

Day 3 Y1 Money multiplication Sheet 1

Your purse has only 2ps inside. How many coins are in the purse?

- 6p **3 coins**
8p **4 coins**
10p **5 coins**
12p **6 coins**
14p **7 coins**

Your purse has only 5ps inside. How many coins are in the purse?

- 15p **3 coins**
25p **5 coins**
20p **4 coins**
35p **7 coins**
40p **8 coins**

Day 3 Y1 Money multiplication Sheet 2

Your purse has only 2ps inside. How many coins are in the purse?

Record as a multiplication sentence.

- 10p **$5 \times 2 = 10$ so 5 coins**
12p **$6 \times 2 = 12$ so 6 coins**
14p **$7 \times 2 = 14$ so 7 coins**
18p **$9 \times 2 = 18$ so 9 coins**
16p **$8 \times 2 = 16$ so 8 coins**

Your purse has only 5ps inside. How many coins are in the purse?

Record as a multiplication sentence.

- 20p **$4 \times 5 = 20$ so 4 coins**
35p **$7 \times 5 = 35$ so 7 coins**
40p **$8 \times 5 = 40$ so 8 coins**
55p **$11 \times 5 = 55$ so 11 coins**

Shapes, Sorting and Grouping

Answers

Day 3 Y1 Money multiplication Sheet 2 continued

Challenge

Make 20p in 5ps and 2ps.

There is only one way to do this: $5p + 5p + 2p + 2p + 2p + 2p$

Day 4 Y1 2s, 5s and 10s Sheet 1

1. 6 ~~9~~ 10 ~~5~~ 8 12 ~~7~~
2. 10 ~~13~~ ~~8~~ 20 15 ~~17~~ 25
3. ~~15~~ 20 ~~12~~ 40 ~~35~~ 30 50

Challenge

Write two more numbers in each count.

Check that these are multiples of 2, 5 and 10.

Day 5 Y1 Nets Sheet 2

