

Pattern workout 1

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

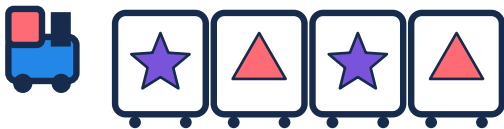
Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 2

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train

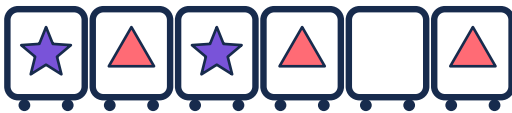


Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 3

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



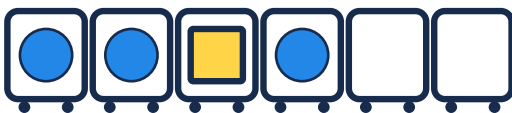
4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 4

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 5

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 6

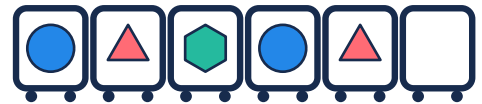
Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train

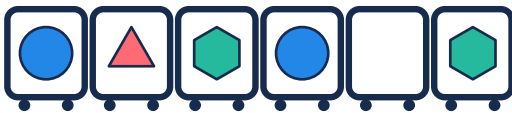


Copy the same pieces in the same order.

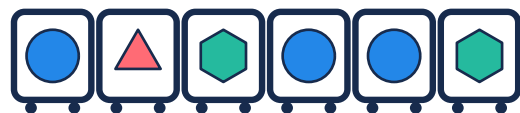
2 Choose the next piece



3 Fill the missing pieces



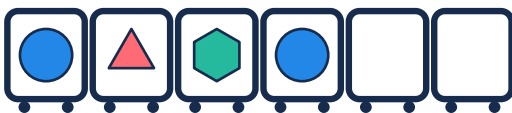
4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 7

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

Choose 2 or 3 pieces. Repeat that unit.



Pattern workout 8

Find the little repeating group. Copy it, continue it, then check it.

1 Read and copy the train



Copy the same pieces in the same order.

2 Choose the next piece



3 Fill the missing pieces



4 Spot the one wrong piece



Draw the right piece:



5 Finish the row



Keep the first repeating group going.

6 Make your own pattern

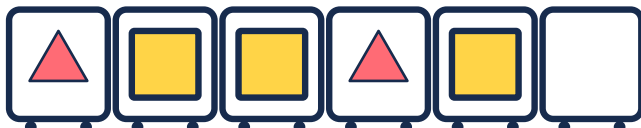
Choose 2 or 3 pieces. Repeat that unit.



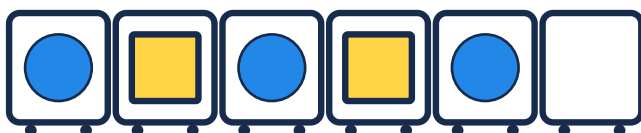
What comes next?

Repeat the first complete group. Draw the next piece in the last carriage.

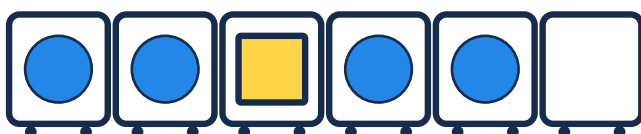
1 Keep the repeating group going



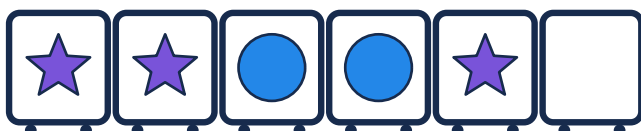
2 Keep the repeating group going



3 Keep the repeating group going



4 Keep the repeating group going



5 Keep the repeating group going



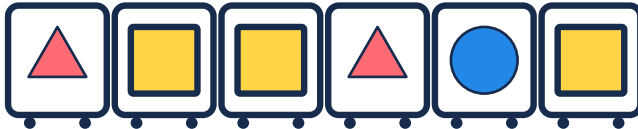
6 Keep the repeating group going



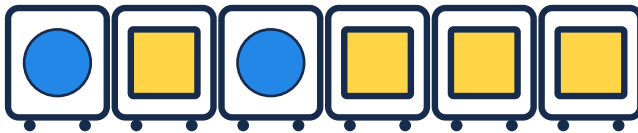
Find the pattern mistakes

Repeat the first complete group. Circle the one wrong piece and draw the correction.

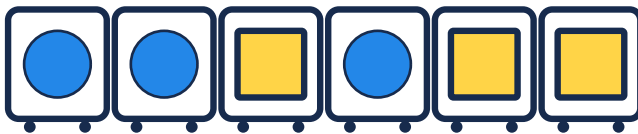
1 Keep the repeating group going



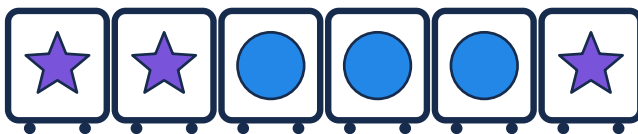
2 Keep the repeating group going



3 Keep the repeating group going



4 Keep the repeating group going



5 Keep the repeating group going



6 Keep the repeating group going



Build a twelve-carriage train

Choose a small unit. Repeat it across the first row, then continue on the next row.



1



2



3



4



5



6



7



8



9



10



11



12

MY REPEATING UNIT



Use 2, 3 or 4 pieces in your unit. Keep the same order each time.

Every supplied card fits a carriage. No glue or folding is needed.

Pattern cards / 1

A grown-up cuts the outside rectangles. Keep each shape, letter or number on its card.



Use the same set again for a new train. Four blank cards are included.

Pattern cards / 2

A grown-up cuts the outside rectangles. Keep each shape, letter or number on its card.



Use the same set again for a new train. Four blank cards are included.

Grown-up pattern guide

Practise a little at a time. Model together, then try the mixed reviews.

READINESS

Suggested ages 4–6 with support. Begin with the shape patterns.

Read the letter and number pieces together if these are unfamiliar.

Number pieces repeat as a pattern; they are not an ordinary counting sequence.

FIND THE REPEATING UNIT

A unit is the little group that repeats in the same order.

AB alternates two pieces; AAB repeats first, first, second.

ABB, AABB and ABC patterns add more variety. Say the pieces aloud.

SIX WAYS TO PRACTISE

Copy, choose the next piece, fill gaps, spot a mistake, finish a row,

then invent a pattern. Use the first complete group as the clue.

Pages 9–10 mix the patterns. Each mistake occurs after a correct first group.

REUSABLE TRAIN

A grown-up cuts pages 12–13. All sixty cards fit the page 11 train.

The supplied quantities are enough to build twelve pieces of every focus pattern.

Go left to right on each row. Continue on the next row; do not snake backwards.

CHECKING

Accept any six-piece own pattern made by repeating a 2- or 3-piece unit.

The shape identities remain distinct in greyscale; colour is an extra clue.

Answers / focus pages

Positions run left to right. Task 6 can have more than one valid pattern.

1) unit: circle, square

- 2) square / choice 3 3) circle, circle
- 4) piece 5 → circle 5) circle, square

2) unit: star, triangle

- 2) triangle / choice 1 3) star, star
- 4) piece 5 → star 5) star, triangle

3) unit: circle, circle, square

- 2) square / choice 3 3) circle, square
- 4) piece 5 → circle 5) circle, square

4) unit: triangle, square, square

- 2) square / choice 3 3) square, square
- 4) piece 5 → square 5) square, square

5) unit: star, star, circle, circle

- 2) star / choice 1 3) star, circle
- 4) piece 5 → star 5) star, star

6) unit: circle, triangle, hexagon

- 2) hexagon / choice 2 3) triangle, hexagon
- 4) piece 5 → triangle 5) triangle, hexagon

7) unit: A, B, C

- 2) C / choice 1 3) B, C
- 4) piece 5 → B 5) B, C

8) unit: 1, 1, 2

- 2) 2 / choice 3 3) 1, 2
- 4) piece 5 → 1 5) 1, 2

Answers / mixed practice

Continue the first complete repeating group in each row.

PAGE 9 / NEXT PIECES, ROWS 1–6

1) square

2) square

3) square

4) star

5) C

6) 2

PAGE 10 / MISTAKES, ROWS 1–6

1) piece 5 should be square

2) piece 5 should be circle

3) piece 5 should be circle

4) piece 5 should be star

5) piece 5 should be B

6) piece 5 should be 1