Merit Tutoring

Measuring with Objects

Year 1 Mathematics - Worksheet 35

Name: _____ Date: _____

Section 1: Count the Blocks

Count how many blocks long each object is.

1. How many blocks long is the pencil?

Answer: _____ blocks

2. How many blocks long is the spoon?

Answer: _____ blocks

3. How many paperclips long is the crayon?

Answer: _____ paperclips

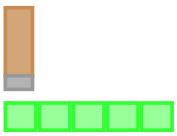
4. How many blocks long is the leaf?

Answer: _____ blocks

5. How many counters long is the ribbon?

Answer: _____ counters

6. How many blocks long is the brush?



Answer: _____ blocks

7. Measure this line using the blocks below it:

Answer: _____ blocks

Measuring Mate!

Joke Time: What stays in the corner but travels around the world?

A stamp!

Section 2: Drawing Units

Draw circles to measure these objects. Remember: circles must touch!

8. Draw circles along the snake to measure it. How many circles did you draw?

Answer: _____ circles

9. Draw squares along this line to measure it:

Answer: _____ squares

10. Measure this ribbon by drawing paperclips underneath it:

Answer: About _____ paperclips

11. Which object is longer? Use blocks to measure.

A 

B 

Object A is about _____ blocks. Object B is about _____ blocks.

Which is longer? _____

12. Draw 5 blocks next to this pencil to measure it:

Super Sizer!

Joke Time: Why was the broom late?
It over-swept!

Section 3: Which is Longer?

Compare measurements to find which object is longer.

13. The blue car is 5 paperclips long. The red car is 7 paperclips long. Which car is longer?

Answer: _____

14. The book is 8 blocks long. The ruler is 10 blocks long. Which is longer?

Answer: _____

15. Pencil A is 6 counters long. Pencil B is 6 counters long. Are they the same length?

Answer (circle one): YES NO

16. The snake is 9 blocks long. The worm is 4 blocks long. How much longer is the snake?

Answer: _____ blocks longer

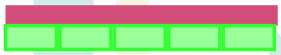
17. A pen is 7 paperclips long. A marker is 5 paperclips long. Which is shorter?

Answer: _____

18. Look at these two ribbons:

Ribbon A:

Ribbon B:



Ribbon A is _____ blocks. Ribbon B is _____ blocks.

Which ribbon is longer? _____

19. A table is 12 hands long. A chair is 8 hands long. How much longer is the table?

Answer: _____ hands longer

20. I measure my arm with blocks. It is 15 blocks long. My friend's arm is 13 blocks long. Whose arm is longer?

Answer: _____

Measuring Mate!

Joke Time: What's a math teacher's favorite place in New York?

Times Square!

Answer Key

Year 1 Mathematics - Worksheet 35

Section 1: Count the Blocks

1. 4 blocks

2. 3 blocks

3. 5 paperclips

4. 4 blocks

5. 7 counters

6. 5 blocks

7. 3 blocks

Section 2: Drawing Units

8. Approximately 10-12 circles (accept reasonable answers)

9. Approximately 8-10 squares (accept reasonable answers)

10. Approximately 6-8 paperclips (accept reasonable answers)

11. Object A: about 5 blocks, Object B: about 7 blocks, Object B is longer

12. Student should draw 5 blocks end-to-end next to the pencil

Section 3: Which is Longer?

13. The red car

14. The ruler

15. YES

16. 5 blocks longer

17. The marker

18. Ribbon A: 4 blocks, Ribbon B: 5 blocks, Ribbon B is longer

19. 4 hands longer

20. My arm (15 blocks is more than 13 blocks)

Measuring with Objects

Year 1 Mathematics - Worksheet 36

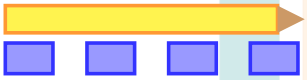
Name: _____ Date: _____

Section 1: Good vs Bad Measuring

Look at each picture and decide which shows the RIGHT way to measure.

1. Which picture shows the right way to measure? Circle A or B.

Picture A: Blocks with gaps

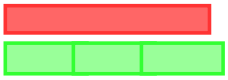


Picture B: Blocks touching

Answer: _____

Why? _____

2. Tom measured like this. Is this the right way?



Answer (circle one): YES NO

What is wrong? _____

3. Which row shows good measuring? Circle A or B.

Row A:

Row B:

Answer: _____

4. True or False: When measuring, blocks must touch each other.

Answer (circle one): TRUE FALSE

5. True or False: When measuring, blocks can overlap (sit on top of each other).

Answer (circle one): TRUE FALSE

6. Circle the correct rule for measuring:

A) Blocks must have gaps between them

B) Blocks must touch end-to-end

C) Blocks can overlap

Super Sizer!

Joke Time: Why did the ruler bring a ladder?
To measure up!

Section 2: Different Units

See what happens when we use different sized units!

7. The same pencil measured two different ways:

Using BIG blocks:

3 big blocks

Using SMALL blocks:

6 small blocks

Why is the number different? (Circle one)

A) The blocks are different sizes

B) The pencil changed size

8. I measure my book with big cubes. I get 4 cubes. My friend uses small cubes and gets 8 cubes. Why are the numbers different?

Answer: _____

9. Which will give a BIGGER number - measuring with big blocks or small blocks?

Answer: _____

10. True or False: We must use the same size units when measuring.

Answer (circle one): TRUE FALSE

11. Sam measured his desk with 5 big blocks. Lucy measured the same desk with small blocks. Will Lucy need more or fewer blocks than Sam?

Answer: _____

12. I measure a ribbon with paperclips. I get 10 paperclips. My friend measures with her hand and gets 3 hands. Why are the numbers so different?

Answer: _____

Measuring Mate!

Joke Time: What do you call a dinosaur with an extensive vocabulary?
A thesaurus!

Section 3: Problem Solving

Think carefully about these measurement problems!

13. Tom used his hands to measure the table. He got 10 hands. Dad used his hands to measure the same table. Dad got 6 hands. Why?

Answer: _____

14. Emma measured her pencil case with small counters and got 12 counters. Ben measured his pencil case with big blocks and got 6 blocks. Who has the longer pencil case?

Answer: _____

Why? _____

15. I measure a snake with blocks. First I get 8 blocks. Then I measure again and get 6 blocks. What might have gone wrong?

Answer: _____

16. Lucy says: "My pencil is 7 long." What information is missing?

Answer: _____

17. Two friends measure the same book. One gets 5 units. One gets 9 units. What could explain this?

Answer: _____

18. I want to measure how long my classroom is. Which would be better to use?

A) Small paperclips B) My footsteps

Answer: _____

Why? _____

19. Circle all the things we need to remember when measuring:

A) Units must be the same size

B) Units must touch end-to-end

C) Units can have gaps

D) Units can overlap

20. Draw how to correctly measure this line with 4 blocks:

Super Sizer!

Joke Time: Why did the student bring a ladder to math class?

Because they wanted to go to high school!

Answer Key

Year 1 Mathematics - Worksheet 36

Section 1: Good vs Bad Measuring

1. B - The blocks must touch with no gaps

2. NO - The blocks are overlapping

3. A (blocks are evenly spaced and touching)

4. TRUE

5. FALSE

6. B) Blocks must touch end-to-end

Section 2: Different Units

7. A) The blocks are different sizes

8. Because the cubes are different sizes

9. Small blocks

10. TRUE

11. More blocks

12. Because paperclips are much smaller than hands

Section 3: Problem Solving

13. Dad's hands are bigger than Tom's hands

14. We can't tell - they used different units

15. Maybe used different sized blocks, or left gaps, or made a counting error

16. What units she used (7 what?)

17. They used different sized units

18. B) Footsteps - Paperclips are too small for a whole classroom

19. Circle A and B

20. Student should draw 4 blocks touching end-to-end under the line

