(Recommended points)

Name: Key

Grade 4: Unit 6 Pre-Test

Find the quotient. If there is a remainder, write it as a fraction. 4.NBT.6

1) $352 \div 6$ — 1pt

$$\begin{array}{r|l} 352 & 50 \\ -300 & \\ \hline 52 & 8 \\ -48 & \\ \hline r4 & 58 \end{array}$$

$58\frac{4}{6}$

2) $423 \div 3$ — 1pt

$$\begin{array}{r|l} 423 & 100 \\ -300 & \\ \hline 123 & 40 \\ -120 & \\ \hline 3 & 1 \\ -3 & \\ \hline 0 & 141 \end{array}$$

141

3) $285 \div 7$ — 1pt

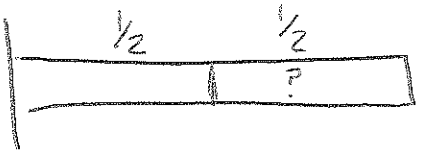
$$\begin{array}{r|l} 285 & 40 \\ -280 & \\ \hline 5 & \end{array}$$

$40\frac{5}{7}$

4) **Two friends earned $37 selling bracelets at a craft show. They agreed to share the money equally. How much money did each girl get?** 4.NBT.6/ 4.OA.3 — 1pt

Show your work.

Money



= $37

$$\begin{array}{r|l} 37 & 18\frac{1}{2} \\ -2 & \\ \hline 17 & \\ -16 & \\ \hline 1 & \end{array}$$

Write the number model: $37 \div 2 =$

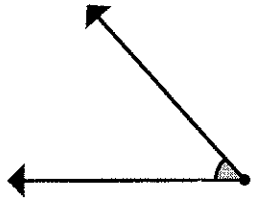
Answer: $18.50

5) **Explain what you did with the remainder.** 4.NBT.6 — 2pt

I kept the remainder because ½ is half of a dollar. Each person received $18.50.

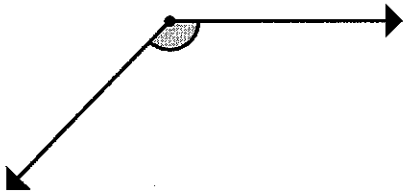
Examine the angles. Write whether the angle is acute, obtuse, right, or a reflex angle. 4.MD.5

6) 1pt



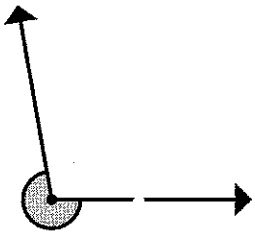
acute

7) 1pt



obtuse

8) 1pt



reflex

9) **Use a straight edge to draw an obtuse angle. Label it ∠ ABC.** 4.MD.5

1pt

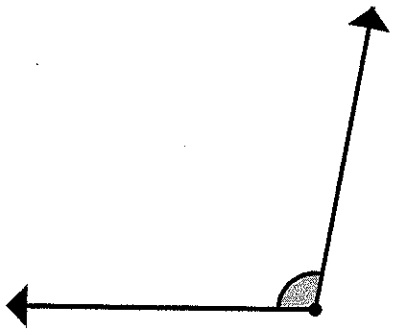
Drawing will vary (greater than 90°, less than 180°)

10) **A straight angle measures 180°. If the angle were divided into 3 equal angles, what would each angle measure? Explain how you know.** 4.MD.5

2pt

Each angle would measure 60°. I know this because if you divided 180 by 3 the answer is 60. (60° + 60° + 60° = 180°)

Measure the angle. Which statement(s) are true of the angle below? 4.MD.6



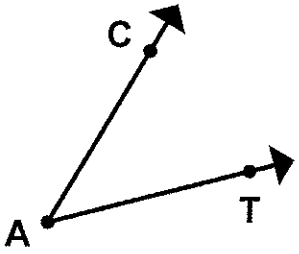
1pt 11) The angle measures 100°. (Yes) No

1pt 12) Its reflex angle measures 100°. Yes (No)

1pt 13) It is an obtuse angle. (Yes) No

Use a protractor to measure the angle. Write the angle measure on the line. 4.MD.6

14) 1pt



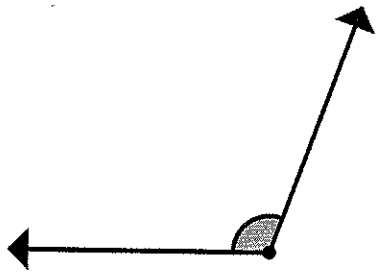
(Give credit if measurement is 2°-3° different)

∠CAT = 45°

15) **Two students measured the angle to the right.** 4.MD.6

- **Jamie used her half-protractor.**
  She said the angle measures 70°.
- **Susie used her half-protractor.**
- **She said the angle measures 110°.**

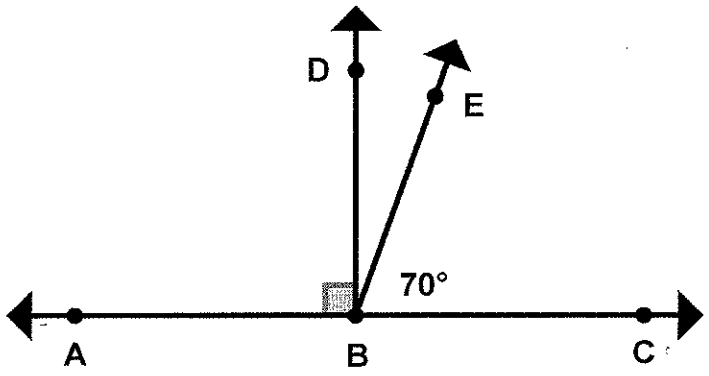
2pt



Do you agree with Jamie or Susie? What mistake did the other girl make?

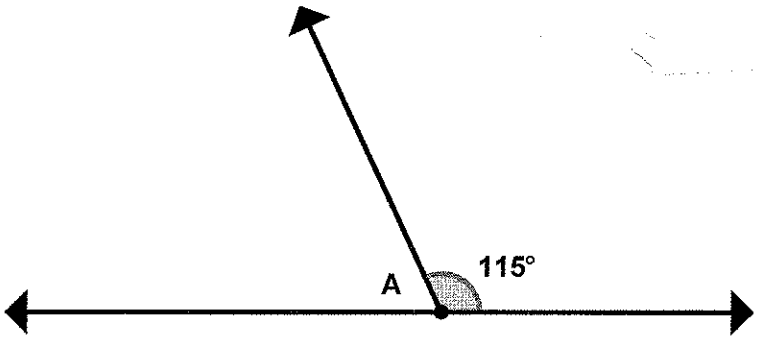
I agree with Susie. The angle is greater than 90° so it is an obtuse angle. Jamie may have read the wrong side of the protractor or didn't line it up correctly.

Which statement(s) below are true about the given angles? 4.MD.7



1pt 16)	∠ABE = 120°	Yes	(No)
1pt 17)	∠DBC = 90°	(Yes)	No
1pt 18)	∠DBE = 30°	Yes	(No)

Given the angles below: 4.MD.7



19) **What is the measurement of ∠A?** 65°

1pt

20) **How do you know? Explain your thinking.** 4.MD.7

2pt I know that a straight line (or angle) has a measurement of 180°. Given one side is 115°, I subtracted to find the difference. 180° - 115° = 65°